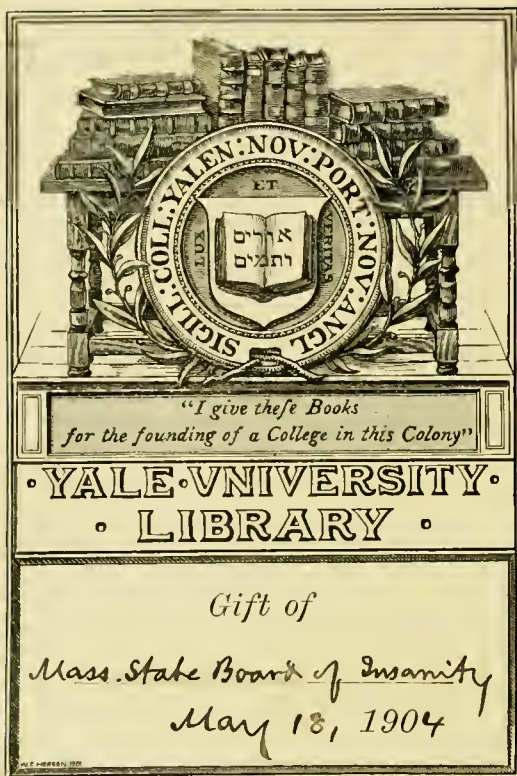


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1903

FIFTH ANNUAL REPORT  
OF THE  
STATE BOARD OF INSANITY  

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1903



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FIFTH ANNUAL REPORT

OF THE

STATE BOARD OF INSANITY

OF THE

Commonwealth of Massachusetts

FOR THE

YEAR ENDING SEPTEMBER 30, 1903.



BOSTON :

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## MEMBERS OF THE BOARD.

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CHARLES R. CODMAN,	. . . .	. . .	BARNSTABLE.
ALBERT L. HARWOOD,	. . . .	. . .	NEWTON CENTRE.
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SEWARD W. JONES,	. . . .	. . .	NEWTON HIGHLANDS.

Regular meeting, second Wednesday of each month, at 3 P.M., Room 34, State House, Boston.

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LOWELL F. WENTWORTH, M.D.,	. . . .	. . .	<i>Deputy Executive Officer.</i>
JOHN E. FISH, M.D.,	. . . .	. . .	<i>Medical Visitor.</i>
FRANCIS B. GARDNER,	. . . .	. . .	<i>Visitor.</i>
SARAH CHAPMAN,	. . . .	. . .	<i>Stenographer.</i>
CLARA L. FITCH,	. . . .	. . .	<i>Stenographer.</i>
NELLIE F. BALL,	. . . .	. . .	<i>Clerk.</i>
REBECCA J. GREENE,	. . . .	. . .	<i>Accountant.</i>
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ELLA HEAL,	. . . .	. . .	<i>Transportation Officer.</i>

Office, Room 36, State House, Boston.



# Commonwealth of Massachusetts.

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## STATE BOARD OF INSANITY.

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*To His Excellency the Governor and the Honorable Council.*

The State Board of Insanity respectfully submits its fifth annual report, for the year ending Sept. 30, 1903.

### THE CLASSES OF PERSONS

under its supervision are the insane, the feeble-minded, the epileptic and the dipsomaniac or inebriate, whose most urgent needs are first called to your attention.

### THE INSANE IN PUBLIC INSTITUTIONS

Oct. 1, 1903, numbered 4,161 men, 4,449 women, 8,610 total, — an increase since the corresponding date of last year of 339, compared with 465 the previous year, 396, the average annual increase for the last five years, and 352, for the last ten years. The special reasons for such less relative increase this year are: 35 more patients boarding in families, 31 more deportations, and a change in classification of discharges which shows 20 less in institutions than under the former method.

Because of the variability of these and other factors, determining such increase from year to year, it is fair to accept the average annual increment during the last five years — nearly 400 — as the present annual rate of accumulation of the insane, for whom public provision is required.

### OVERCROWDING IN PUBLIC HOSPITALS AND ASYLUMS

continues to be extreme, necessitating the use of 1,733 beds in corridors and day rooms, of which 1,051 are removed each morning to make sufficient day space for patients.

Furthermore, by the operation of the State care act it becomes necessary to receive into State institutions about 650 insane inmates of almshouses. Of this number, about 200 must be admitted before or immediately after Jan. 1, 1904, either because they are unsuitably provided for, or because cities and towns object to keeping them. The remaining 450 will be temporarily boarded in almshouses at the expense of the State, according to the provisions of chapter 400 of the Acts of the Legislature of 1903, but no time should be lost in completing the removal of the insane from almshouses. Therefore

#### THE NEED OF ADDITIONAL ACCOMMODATION

for the insane in public institutions is still pressing, although the acuteness of the situation will be mitigated as soon as the generous appropriations made by the last Legislature can be expended. However, conditions have become such that the Commonwealth may now properly adopt a policy of meeting only the average annual requirement in this direction, which would necessitate provision this year for 500 patients, thus affording space for the average annual increase of 400, and for 100 toward the gradual relief of overcrowding and the reception of the insane from almshouses.

Such provision should be made in connection with existing institutions, according to previous recommendations of the Board, namely : —

- (1) Hospital buildings for the acute, curable class.
- (2) Industrial and home colonies for the quiet, harmless and able-bodied insane.
- (3) Infirmarys for the sick and feeble.
- (4) Buildings specially adapted to the care and treatment of chronic patients who are disturbed.
- (5) Farmhouses for farm working patients.
- (6) Tuberculosis pavilions.
- (7) Separate houses for nurses.
- (8) Private residences for superintendents.

Along these general lines the trustees of the different institutions will petition the incoming Legislature for appro-

priations according to the estimates which are here classified, and accompanied with the opinion of the State Board as to the necessity or expediency of granting them according thereto, in compliance with section 4, chapter 87, Revised Laws.

In arriving at its conclusions the State Board has considered it of the first importance to provide additional accommodation for 500 patients and nurses, to make necessary repairs, and to enlarge facilities for general administration in proportion to the increase of capacity for patients. The State Colony at Gardner and the Worcester Asylum colony at Grafton are new institutions, and should be developed as rapidly as possible, until they reach such size as will allow economical administration.

The Asylum for Insane Criminals, Asylum Wards of the State Hospital, Hospital for Dipsomaniacs and Inebriates and the Hospital Cottages for Children do not ask for special appropriations this year. The estimates by other institutions are :—

*Worcester Hospital.*

Pathological building and morgue, . . . . .	\$10,000
Addition to laundry, . . . . .	3,000
Laundry machinery, . . . . .	1,500
Piggery, . . . . .	5,200
Plumbing and alterations in administration building, .	6,000
Alterations and plumbing in ward dining rooms, .	5,000
<hr/>	
Total, . . . . .	\$30,700

The State Board approves the above estimates for immediate action granting appropriations according thereto. The Board unites with the trustees in calling special attention to the urgent need of provision for pathological work, both on account of its importance and the necessity of removing present unsanitary conditions.

The trustees, in their annual report, request an appropriation of \$53,000 to erect and furnish a house for male nurses. Such a building would be required to furnish nurses' rooms off the wards, and to allow a reasonable concession to the very great pressure to lessen their hours of

duty. Although this petition may be temporarily deferred, it should be granted as soon as the finances of the State will allow.

*Taunton Hospital.*

Addition to laundry, . . . . .	\$10,000
Laundry machinery, . . . . .	4,000
Finishing and furnishing attic of women nurses' house, . . . . .	3,300
Farm building, . . . . .	1,600
Silo, hoisting engine and feed cutter, . . . . .	700
Total, . . . . .	<u>\$19,600</u>

The State Board approves the above estimates for immediate action granting appropriations according thereto.

*Northampton Hospital.*

Completing and furnishing a ward for women patients, . . . . .	\$3,500
Furnishing men's infirmary, . . . . .	6,500
Constructing and repairing sidewalks, . . . . .	1,000
Purchase and installation of telephones and night watchman's clocks, . . . . .	1,800
Total, . . . . .	<u>\$12,800</u>

The State Board approves the above estimates for immediate action granting appropriations according thereto.

The trustees, in their annual report, request an appropriation of \$2,500 for telephones, night watchman's clocks and *electric* clocks. The State Board does not regard electric clocks as necessary, and therefore disapproves of their installation. The sum asked for has accordingly been reduced to \$1,800, — the estimated cost of installing telephones and night watchman's clocks.

*Danvers Hospital.*

Erecting and equipping two buildings for tuberculous patients, . . . . .	\$2,000
Mechanical refrigerating plant, . . . . .	13,000
Total, . . . . .	<u>\$15,000</u>

The State Board approves the above estimates for immediate action granting appropriations according thereto.

The trustees, in their annual report, request an appropriation of \$15,000 for constructing and equipping two



bathroom buildings. The space occupied by present bathrooms is needed for other purposes, and their floors are beginning to leak. Although this appropriation may be deferred this year, it should be granted as soon as other demands upon the State treasury will allow.

*Westborough Hospital.*

Constructing and furnishing a building for cases of acute insanity, . . . . .	\$30,000
Constructing and furnishing houses for employees, . . . . .	30,000
Building for pathological work, . . . . .	5,000
Increasing power of electric lighting plant, . . . . .	12,000
Total, . . . . .	<u>\$77,000</u>

The State Board approves the above estimates for immediate action granting appropriations according thereto.

The trustees, in their annual report, request an appropriation of \$8,000 for a superintendent's house, \$15,000 for an industrial building, and \$20,000 for pumping station and water main connecting with the metropolitan water system. All these are desirable improvements, which should eventually be made, but may be postponed with less embarrassment than the others recommended.

*Worcester Asylum.*

At the Grafton colony:—

Constructing and furnishing a building for disturbed patients, . . . . .	\$80,000
Further colony development, including accommodation for 50 patients, . . . . .	30,000
Power house and extension of railroad side track, . . . . .	26,000
Electric lighting plant, . . . . .	20,000

At the asylum:—

Refrigerating plant, . . . . .	<u>6,000</u>
Total, . . . . .	\$162,000

The State Board approves the above estimates for immediate action granting appropriations according thereto.

The trustees, in their annual report, request an appropriation of \$5,000 for enlarging congregate dining room for male patients in the basement of the asylum building. A corresponding alteration for the women's dining room has

already been made. Such increase in dining room space would vacate present dining rooms on the wards for use as dormitories, thus providing for about 25 more patients. Although this improvement may be deferred this year, it should be made as soon as expedient.

*Medfield Asylum.*

Constructing and furnishing a building for disturbed patients, . . . . .	\$90,000
Extending dining rooms and adding rooms for employees, . . . . .	18,000
Painting buildings and iron work, . . . . .	13,000
Removing pumping plant to new power house and installing new electrical machinery, . . . . .	10,000
Improving grounds, . . . . .	1,000
Total, . . . . .	<hr/> \$132,000

The State Board approves the above estimates for immediate action granting appropriations according thereto.

The trustees, in their annual report, request an appropriation of \$15,000 for painting buildings and iron work. The State Board understands that the cost of such painting three years ago was \$10,000. It is estimated that the same work would cost now 30 per cent. more; therefore it is recommended that an appropriation of \$13,000 be made for this purpose.

*State Colony.*

Constructing and furnishing a group of buildings for patients, with barn and water supply, . . . . .	\$56,000
Filter beds for sewage disposal, . . . . .	15,000
Ice house, hoisting machinery, mechanics' building, spur track, coal trestle and road repairing tools, . . . . .	16,650
Purchase of land, . . . . .	800
Total, . . . . .	<hr/> \$84,450

The State Board approves the above estimates for immediate action granting appropriations according thereto.

*Hospital for Epileptics.*

Removal of ice house and other buildings to new sites, additions to ice house and greenhouse, payment of taxes, purchase of land, and minor repairs and improvements, . . . . .	\$10,000
---	----------

The State Board approves the above estimates for immediate action granting appropriations according thereto.

*School for the Feeble-minded.*

Constructing and furnishing two houses for attend-	
ants, . . . . .	\$30,000
Addition to electric lighting plant, . . . .	15,000
	<hr/>
Total, . . . . .	\$45,000

The State Board approves the above estimates for immediate action granting appropriations according thereto.

The trustees, in their annual report, request an appropriation of \$20,000 for two brick houses, each to accommodate 12 to 16 attendants. On recommendation of the State Board, they decided to increase the capacity of each to 20, and accordingly raised their estimate of cost to \$32,000. After careful consideration and comparison with the cost of similar work at other institutions, the Board is convinced that \$30,000 will be sufficient to construct and furnish two such houses, and recommends an appropriation according thereto, as above stated.

*Summary of Special Appropriations.*

I. — INSANE.

1. Erection, furnishing and equipping buildings for patients and employees, . . . . .	\$295,300
Number of persons provided for, . . . .	497
Average per capita cost, . . . . .	\$594.16
2. Land; buildings for administrative purposes, including furnishings and equipment, improvements and repairs, . . . . .	252,250
	<hr/>
Total I., . . . . .	\$547,550

II. — OTHER CLASSES.

1. Erection, furnishing and equipping buildings for patients and employees, . . . . .	\$30,000
Number of persons provided for, . . . .	40
Average per capita cost, . . . . .	\$750
2. Land, buildings for administrative purposes, including furnishings and equipment, improvements and repairs, . . . . .	15,000
	<hr/>
Total II., . . . . .	\$45,000

## TOTAL I. AND II.

1. Erection, furnishing and equipping buildings for patients and employees, . . . . .	\$325,300
Number of persons provided for, . . . . .	537
Average per capita cost, . . . . .	\$605.77
2. Land; buildings for administrative purposes, including furnishings and equipment, improvements and repairs, . . . . .	267,250
Grand total, . . . . .	\$592,550

Estimates for appropriations to meet the expenses of the Board and to support State paupers in certain institutions are : —

	Estimates for 1904.	Appropriated 1903.
Expenses of the Board : —		
Salaries of officers and employees, . . . . .	\$19,300	\$16,200
Travelling, office and contingent expenses of the Board, . . . . .	5,000	4,500
Transportation and medical examination of State paupers under charge of the Board, . . . . .	9,000	7,500
Printing annual report, . . . . .	800	900
	\$34,100	\$29,100
Support of : —		
Insane paupers boarded out in families under charge of the Board, . . . . .	\$28,000	\$10,000
State paupers in Hospital Cottages for Children, . . . . .	6,000	6,500
Insane paupers boarded in almshouses under charge of the Board, and burial, . . . . .	50,000	—
Insane paupers in Boston Insane Hospital, . . . . .	91,000	—
	\$175,000	\$16,500

The increases in estimates for salaries, for travelling, office and contingent expenses and for support of insane paupers boarded in families, and the estimates for new appropriations for support and burial of insane paupers boarded in almshouses and for the support of insane paupers in Boston Insane Hospital are necessitated by the operation of the State care act (chapter 451, Acts of 1900), whereby insane paupers formerly chargeable to cities and towns pass to care and support by the State, Jan. 1, 1904.

The increase in the estimate for transportation and medical examination is required because last year's appropriation was too small.

Decreases in estimates for printing annual report and support of State paupers in Hospital Cottages for Children may be made, because last year's appropriations were too large.

#### THE STATE HOSPITAL AT TEWKSBURY

annually receives a considerable number of persons who are sent there either as paupers, who are afterwards found to be insane, or for observation pending the determination of insanity. It is not legal for the courts to commit such persons as insane to the asylum wards, and if such commitment becomes necessary it must be made to one of the State insane hospitals, necessitating the removal of insane patients who are entirely suitable to remain at the State Hospital, which is fully equipped to afford them proper care and treatment. Such removal would sometimes be impossible, on account of the patient's condition, and in every case would involve an unnecessary expense and disturbance to the patient; therefore for many years it has been customary to treat such patients in the asylum wards, with the approval, in each case, of the State Board, the present practice requiring a medical certificate of insanity by a medical officer of the State Board and a medical officer of the State Hospital.

Authority for their detention rests upon the ground of pauperism, not of insanity. Hence a special class of insane is created, which must at all times be kept distinct, and dealt with on a basis which is not applicable to the other insane. There is always liability of confusion in maintaining such separate status, and of exceeding authority for detention. Furthermore, some of such paupers have settlements in cities and towns, and are chargeable, under the State care act, to such cities and towns, until their insane status has been determined by a court in the usual way. Therefore it seems not only advisable, but necessary as well, to have such insane paupers duly committed by a court.

The Board recommends such legislation as will permit insane inmates of the State Hospital at Tewksbury to be committed to its asylum wards, according to the provisions of law applicable to the commitment of insane persons to insane hospitals.

#### REVIEW OF THE YEAR.

##### *New Legislation.*

General legislation relative to the institutions and persons under the supervision of the Board of Insanity was enacted by the Legislature of 1903, as follows:—

##### [ACTS OF 1903, CHAPTER 321.]

#### AN ACT RELATIVE TO THE CARE OF THE INSANE OF THE CITY OF BOSTON.

*Be it enacted, etc., as follows:*

Section two of chapter four hundred and fifty-one of the acts of the year nineteen hundred is hereby amended by inserting after the word “city”, in the fourth line, the words:—and are cared for in said hospitals,—so as to read as follows:—*Section 2.* The hospitals now or hereafter established and maintained by the city of Boston for the board, care and treatment of the insane, and all insane persons who have a settlement in said city and are cared for in said hospitals, shall be excepted from the operation of this act and shall be and remain under the operation of the existing acts relating to iusane persons; and the bills for the board, care and treatment of patients in said hospitals, from and after said first day of January, at the rate of three dollars and twenty-five cents per week, or as hereafter fixed by the legislature, shall be paid by the Commonwealth, except the bills of patients who, or whose kindred bound by law to support such patients, are of sufficient ability to pay for such board, care and treatment as determined by the board having charge of said hospitals. [*Approved May 5, 1903.*]

##### [ACTS OF 1903, CHAPTER 400.]

#### AN ACT RELATIVE TO THE CARE OF THE INSANE.

*Be it enacted, etc., as follows:*

SECTION 1. The state board of insanity may, if said board considers it expedient so to do, by agreement with the proper authorities of any city or town, place insane persons of the chronic and quiet class in the almshouse of such city or town, under the care of the proper authorities of the city or town. The cost to the



Commonwealth of the care and treatment of such insane persons in any such almshouse shall not exceed two dollars and eighty cents a week for each person.

SECTION 2. This act shall take effect on the first day of January in the year nineteen hundred and four. [*Approved May 29, 1903.*]

[ACTS OF 1903, CHAPTER 410.]

AN ACT TO PROHIBIT THE FURNISHING OF INTOXICATING LIQUORS TO PATIENTS OF STATE HOSPITALS FOR INEBRIATES OR THE INSANE.

*Be it enacted, etc., as follows:*

Whoever gives, sells or delivers spirituous or intoxicating liquor to a patient of the Massachusetts hospital for dipsomaniacs and inebriates, or of any of the state hospitals for the insane, or to a patient under the control of any of said hospitals, except under the direction of a physician of the hospital, and whoever has in his possession within the precincts of any of said hospitals, any such liquor, with intent to convey or deliver it to any patient thereof, except under direction as aforesaid, shall be punished by a fine of not more than fifty dollars or by imprisonment for not more than two months. [*Approved June 5, 1903.*]

[ACTS OF 1903, CHAPTER 369.]

AN ACT RELATIVE TO THE MAINTENANCE OF PUBLIC WAYS IN OR BORDERING UPON LAND OCCUPIED BY THE STATE COLONY FOR THE INSANE.

*Be it enacted, etc., as follows:*

SECTION 1. The expense of the care and maintenance of the public ways in or bordering upon the land of the state colony for the insane in the towns of Westminster and Gardner shall be borne by the Commonwealth.

SECTION 2. This act shall take effect upon its passage. [*Approved May 19, 1903.*]

[ACTS OF 1903, CHAPTER 78.]

RESOLVE TO AUTHORIZE THE TRUSTEES OF THE STATE COLONY FOR THE INSANE TO CONVEY CERTAIN LAND TO THE BOSTON AND MAINE RAILROAD OR TO THE FITCHBURG RAILROAD COMPANY.

*Resolved,* That the trustees of the state colony for the insane are authorized to convey to the Boston and Maine Railroad or to the Fitchburg Railroad Company, a strip of land situated in Gardner, belonging to the Commonwealth and purchased for the use of the state colony for the insane under authority of section

three of chapter four hundred and fifty-one of the acts of the year nineteen hundred ; said strip being situated on the easterly side of the location of the Fitchburg division of the Boston and Maine Railroad and north of Beech street, and being more particularly described in a plan thereof dated May one, nineteen hundred and two, and made by H. Bissell, chief engineer of the Boston and Maine Railroad, to be recorded with the deed of conveyance. The said deed shall reserve to the Commonwealth all standing timber, and a right to maintain on said land, and to remove therefrom if desired, suitable store-houses, and said deed shall also contain a provision that in case the side-tracks and station constructed or to be constructed thereon are discontinued and abandoned by said railroad, the land shall revert to the Commonwealth. The chairman of said board of trustees is hereby authorized and empowered in behalf of the Commonwealth to execute and deliver a deed of said premises in conformity with this resolve. [Approved May 18, 1903.]

*Special Appropriations, 1903.*

I.—INSANE.

*Worcester Hospital.*

For completing the electric lighting plant,	\$45,000	
For an addition to the centre building, to provide room for stenographers and typewriters, . . . . .	3,000	
[Acts, chapter 414, section 2.]	—————	\$48,000

*Taunton Hospital.*

For a building of brick, to accommodate 65 nurses, and for furnishing the same,	\$52,000	
For a new building of brick at the Raynham colony, to contain rooms for patients and employecs, including a dining room and kitchen, and for furnishing the same, . . . . .	19,000	
For enlarging the dining rooms, . . . .	8,000	
For the purchase of a new heater, circulating tank and pump, . . . . .	2,000	
For the purchase of land for a pasture adjacent to the Raynham colony, . . . .	300	
[Acts, chapter 414, section 2.]	—————	\$81,300

*Northampton Hospital.*

For an infirmary building of brick, to hold 100 patients, . . . . .	\$65,000	
For repairing and altering the heating plant,	10,000	
[Acts, chapter 414, section 2.]	—————	\$75,000

I. — INSANE — *Continued.**Danvers Hospital.*

For buildings for 100 patients, and for a boiler house and heating plant, . . .	\$75,000	
For completion of plumbing and repairs in front and rear centres, . . .	1,500	
For addition to the coal pocket, . . .	1,200	
For a metallic drying room and washing machine for the laundry, . . .	1,600	
For the purchase of land, . . .	1,500	
[Acts, chapter 414, section 2.]		<hr/> \$80,800

*Westborough Hospital.*

For buildings for 100 patients, and for furnishing the same, . . .	\$75,000	
For buildings for 50 nurses, and for furnishing the same, . . .	25,000	
For improving the sewerage system, and for extending it to the Stanley house and outlying buildings, . . .	2,300	
For farm machinery and for building roads and walks, . . .	3,000	
[Acts, chapter 414, section 2.]		<hr/> \$105,300

*Worcester Asylum.*

For repairs and alterations in the kitchen and laundry, and for equipping the same, . . .	\$27,000	
For furnishing and repairing farmhouses for 50 patients, and for providing the necessary farm equipment, at the Grafton colony, . . .	13,500	
For the erection at the Grafton colony of a brick building, to accommodate 60 patients, and for furnishing the same, . . .	40,000	
For necessary water and sewerage systems at the Grafton colony, . . .	10,000	
[Acts, chapter 414, section 2.]		<hr/> \$90,500

*Medfield Asylum.*

For a building of brick, to accommodate 70 nurses, and for furnishing the same, . . .	\$55,000	
For power and heating plant, with necessary changes in piping, and for extending a spur track, . . .	100,000	
For a building of wood, to accommodate about 40 tuberculous patients, and for furnishing the same, . . .	9,500	
For improving the grounds of the asylum, . . .	1,000	
[Acts, chapter 414, section 2.]		<hr/> \$165,500

I. — INSANE — *Concluded.**State Farm.*

For the purpose of erecting and furnishing an asylum for insane criminals, to accommodate 165 patients, . . . \$100,000

[Acts, chapter 414, section 2.]

*State Colony.*

For a building for 100 patients, and for a sewing room and furnishings, . . . 60,000

For an administration building and furnishings, . . . 33,000

For a cottage for 25 patients and for furnishing the same, and for two barns and silos, . . . 15,000

For a sewage disposal, water supply, stone crushing plant and an additional boiler and dynamo, . . . 17,000

For the purchase of land, . . . 750

[Acts, chapter 414, section 2.]

———— \$125,750

*Hospital for Epileptics.*

For the purchase of land, including the buildings and chattels thereon, . . . \$10,000

For repairs and alterations in old buildings, and for furnishing the same, . . . 4,000

For buildings of wood for 60 patients, said buildings to include a kitchen and dining room, and for furnishing the same, . . . 30,000

For necessary water supply, for sewage disposal and for electric lighting outside of the buildings, . . . 6,000

[Acts, chapter 414, section 2.]

———— \$50,000

## II. — OTHER CLASSES.

*Hospital for Dipsomaniacs.*

For providing a new recreation court, . . . \$1,000

For the erection of a shed for sheltering farm machines and implements, and for other purposes, . . . 1,300

For an electric generator of 50 kilowatt capacity, and an electric motor of 30 horse-power, . . . 5,500

[Resolves, chapter 84.]

———— \$7,800

*School for the Feeble-minded.*

For a group of farm buildings at the colony at Templeton, of sufficient capacity to accommodate 50 inmates, . . . \$12,000

For enlarging the bakery at Waltham, . . . 4,000

II.—OTHER CLASSES—*Concluded.**School for the Feeble-minded—Concluded.*

For a house at Waltham for the superintendent and his family, and for furnishing the same, . . . . .	\$8,000
For a building at Waltham to be used for manual and industrial training, . . .	16,000
[Acts, chapter 414, section 2.]	
For procuring a side track and coal pockets on the Boston & Maine railroad at Clematis Brook, for the permanent use of the school, . . . . .	7,500
[Resolves, chapter 72.]	
	<hr/> \$47,500

*Summary of Special Appropriations, 1903.*

## I.—INSANE.

1. Erection, furnishing and equipping buildings for patients and employees, . . . . .	\$642,000
Number of persons provided for, . . . . .	1,058
Average per capita cost, . . . . .	\$606.80
2. Land; buildings for administrative purposes, including furnishings and equipment, improvements and repairs, . . . . .	280,150
Total I., . . . . .	<hr/> \$922,150

## II.—OTHER CLASSES.

1. Erection, furnishing and equipping buildings for patients and employees, . . . . .	\$12,000
Number of persons provided for, . . . . .	50
Average per capita cost, . . . . .	\$240.00
2. Land; buildings for administrative purposes, including furnishings and equipment, improvements and repairs, . . . . .	43,300
Total II., . . . . .	<hr/> \$55,300

## TOTAL I. AND II.

1. Erection, furnishing and equipping buildings for patients and employees, . . . . .	\$654,000
Number of persons provided for, . . . . .	1,108
Average per capita cost, . . . . .	\$590.25
2. Land; buildings for administrative purposes, including furnishings and equipment; improvements and repairs, . . . . .	323,450
Grand total, . . . . .	<hr/> \$977,450

## OPINIONS OF THE ATTORNEY-GENERAL.

Relative to the custody of an insane person who has been duly committed to an insane hospital, and is absent therefrom under the provisions of R. L., c. 87, § 95 :—

COMMONWEALTH OF MASSACHUSETTS,  
OFFICE OF THE ATTORNEY-GENERAL, BOSTON, Dec. 31, 1902.

OWEN COPP, M.D., *Secretary, State Board of Insanity.*

DEAR SIR :— Your letter of November 28 requires my opinion upon the question whether an insane person who has been duly committed to an insane hospital, and is absent therefrom under the provisions of R. L., c. 87, § 95, may be transferred by order of the State Board of Insanity to another insane hospital without returning to the hospital from which he was permitted to be absent.

R. L., c. 87, § 95, is as follows :—

Such superintendent may permit any such inmate temporarily to leave the hospital or asylum in charge of his guardian, relatives or friends for a period not exceeding sixty days, and may receive him when returned by any such guardian, relatives or friends, within such period, without any further order of commitment.

The general power to transfer persons committed to insane hospitals is conferred upon the Board by R. L., c. 87, § 87 :—

The state board of insanity may, subject to the provisions of section ninety, transfer an inmate of any institution under its supervision who has been committed hereto as insane to any other such institution to which he might have been committed or transferred, and may, subject to said provisions, transfer a person who has been adjudged to be insane under the provisions of law from any public or private receptacle for the insane to any of such institutions to which he might have been committed or transferred ; but no such transfer, except as provided in section thirty-two, shall be made prior to the first day of January in the year nineteen hundred and four, from any such receptacle not maintained or controlled by the Commonwealth.

The apparent purpose of section 95 was to permit a patient, whose condition was such as to allow it, to be temporarily absent from the institution where he was confined, without making it necessary that there should be a new commitment upon his return, and, in my opinion, does not serve to diminish or destroy the authority of the Board over such patient during the period of absence. The Board has undoubted authority to make transfers from one institution under its supervision to another (see R. L., c. 87, § 87 ; 1 Op. Atty.-Gen., 491) ; and the Legislature can



hardly be deemed to have intended that a temporary absence, authorized by a subordinate official and limited to a specific period, should conflict with the authority of the Board over patients committed to its charge.

I am therefore of the opinion that a patient, absent on leave according to the provisions of section 95, above quoted, may be transferred to an institution other than that from which he is temporarily absent, without returning to the latter institution; and that during such absence the patient may properly be said to be in the custody of the hospital for the purposes of transfer.

Very truly yours,

HERBERT PARKER,  
*Attorney-General.*

Relative to the commitment of insane inmates of almshouses : —

COMMONWEALTH OF MASSACHUSETTS,  
OFFICE OF THE ATTORNEY-GENERAL, BOSTON, April 7, 1903.

OWEN COPP, M D., *Secretary, State Board of Insanity.*

DEAR SIR :— Your letter dated March 31 states that, in establishing State care and support of the depeudent insane under the provisions of St. 1900, c. 451, it will be necessary to leave temporarily several hundred insane persons in almshouses, while provision is being made for them in State institutions. It further appears that it is necessary that the status of insane persons be determined by the usual commitment, and it is desired to avoid the expense and trouble of conveying patients so committed to the hospital and thence back again to the almshouse; and the specific inquiry submitted is, whether it would be legal to file commitment papers at the hospital to which the patient is committed, and at the same time direct the discharge of such patient from the hospital to the care of the State Board of Insanity in the almshouse in which he was originally confined.

I am of opinion that if, simultaneously with the commitment of the patient to a State insane hospital, there should be an adjudication by the State Board of Insanity that the person so committed be placed in the almshouse, and if such adjudication is duly recorded with the commitment, the forms of law would be sufficiently complied with.

Respectfully yours,

HERBERT PARKER,  
*Attorney-General.*

Relative to establishing the insane status of persons outside of institutions for the insane who come under the provisions of R. L., c. 87, § 6 : —

COMMONWEALTH OF MASSACHUSETTS,  
OFFICE OF THE ATTORNEY-GENERAL, BOSTON, Aug. 4, 1903.

OWEN COPP, M.D., *Secretary, State Board of Insanity.*

DEAR SIR:—Your letter of June 11 requires my opinion upon certain questions which arise by reason of the provisions of R. L., c. 87, § 6, that “on and after the first day of January in the year nineteen hundred and four, the Commonwealth shall, subject to the provisions of section two of chapter four hundred and fifty-one of the Acts of the year nineteen hundred, have the care, control and treatment of all insane persons, the care of whom was vested by the provisions of law in force on the eleventh day of July, in the year nineteen hundred, in the Commonwealth, in the cities or towns or in any board of officers thereof or who may be committed to the asylums or institutions of the Commonwealth for the care of the insane.”

I am informed that such insane persons coming within the operation of the section above quoted as are not now confined in institutions for the insane may be divided into three classes: first, persons alleged to be insane who have never been committed to an insane hospital; second, insane persons who have been so committed and have been thereafter removed to almshouses by the overseers of the poor under authority of R. L., c. 87, § 100; third, insane persons who, after due commitment, have been released to the custody of the overseers of the poor and by them transferred from almshouses to the care of relatives or friends, but who have subsequently returned to the almshouses, and may be found there on Jan. 1, 1904.

Upon these facts you desire my opinion upon the following specific question: “First, in order that each of these classes may come under State care and support, in accordance with the provisions of R. L., c. 87, § 6, what steps may be taken; second, will a new commitment as insane be necessary; third, will it be the duty of the State or of the city or town authorities to take the initiative in such new commitment or other proceeding? If any such action should not be taken by either party, would the State have any liability for the support of such cases?”

It must, in my opinion, be assumed that before the Commonwealth, acting through the State Board of Insanity and in accordance with the provisions of R. L., c. 87, § 6, charges itself with the custody and support of insane persons, their status as such must be ascertained and fixed by some form of judicial determination. Under the provisions of law which regulate the commitment to insane hospitals of insane persons (R. L., c. 87, §§ 33–58), and which include the taking of testimony as to the insanity of the

person sought to be committed (§§ 34, 35), the commitment is in effect an adjudication upon the question of insanity, and is, in my judgment, a necessary preliminary to the assumption by the State Board of Insanity of the care and custody of any person alleged to be insane.

It follows, therefore, that in the case of persons included in class 1, who have never been committed to an insane hospital, a formal commitment must be secured as a prerequisite to the jurisdiction of the Board.

Persons enumerated in class 2, on the other hand, who have been once adjudged to be insane by a competent tribunal, and have been released to and continued in the custody of the overseers of the poor, will, on Jan. 1, 1904, be brought within the jurisdiction of the Board without further proceedings, and may be dealt with as if they had remained in the custody of the Board by virtue of the original commitment.

In the case of class 3, composed of persons who have been once committed to an insane hospital and have been afterwards discharged therefrom to the custody of the overseers of the poor, and by them released to or placed under the charge of relatives or friends, the question presents more difficulty, since such discharge may be based upon an adjudication by the competent authorities that the person discharged was no longer insane, or, though still insane, might be properly cared for by those primarily charged with his support.

With regard to persons included in this class, therefore, I am of opinion that a new commitment is certainly advisable, if not necessary, as a matter of law; for the reason that their presence on Jan. 1, 1904, in the several almshouses, may be due either to insanity or to inability for other reasons to support themselves.

If, as I believe, a formal commitment to an insane hospital as a judicial determination of the status of a person committed is a prerequisite to the jurisdiction of the Board, it follows that the duty to take the initiative in securing the commitment of persons who, by reason of insanity, may be confined in almshouses upon Jan. 1, 1904, would rest upon the local authorities, and the State Board of Insanity would not be required to assume control over them until such commitment was obtained.

It would result, therefore, that, if a person detained in an almshouse had never been adjudged insane and no such adjudication evidenced by commitment was secured either by the Commonwealth or by the local authorities, the State Board of Insanity would not be responsible for the support of such person.

Very truly yours,

HERBERT PARKER,

*Attorney-General.*

Relative to the detention and transfer of dipsomaniacs and inebriates from State insane hospitals to the Hospital for Dipsomaniacs and Inebriates : —

COMMONWEALTH OF MASSACHUSETTS,  
OFFICE OF THE ATTORNEY-GENERAL, BOSTON, May 15, 1903.

OWEN COPP, M.D., *Secretary, State Board of Insanity.*

DEAR SIR : — You have required my opinion upon the following question : “ What length of time can cases transferred by the State Board of Insanity to the Hospital for Dipsomaniacs and Inebriates be detained in said hospital? This question involves the further question as to the right of the State Board to transfer patients to the State Hospital for Dipsomaniacs.”

The power of the State Board of Insanity with regard to the transfer of persons to or from the Massachusetts Hospital for Dipsomaniacs and Inebriates is to be found in R. L., c. 87, § 88, which is as follows : —

Male inmates of a state insane hospital committed thereto under the provisions of section fifty-nine who are not insane may be transferred by the state board of insanity to the Massachusetts hospital for dipsomaniacs and inebriates; and inmates of said hospital found, under an order of commitment in due form, to be insane and requiring treatment in a state insane hospital or asylum shall be transferred thereto by said board.

Under this section, the Board is authorized to transfer to the Hospital for Dipsomaniacs male inmates of a State insane hospital committed thereto as dipsomaniacs, who are not insane (see St. 1885, c. 339; St. 1889, c. 414, § 16; St. 1891, c. 158, § 2).

R. L., c. 87, § 92, provides : —

The state board of insanity may discharge patients from the Massachusetts hospital for dipsomaniacs and inebriates, the Massachusetts hospital for epileptics, the Massachusetts school for the feeble-minded and the hospital cottages for children, and may transfer inmates of said institutions to other state institutions, and the inmates of other state institutions under its supervision to the said hospitals and school; but no inmate of said other state institutions under its supervision shall be transferred to said hospitals or school unless such inmate has been duly committed thereto, in conformity with the provisions governing the commitment of patients to said hospitals and school.

I am of opinion that this section must be construed in connection with section 88, above quoted, and must be taken to authorize the Board to transfer to the Massachusetts Hospital for Dipsomaniacs and Inebriates and the Massachusetts Hospital for Epi-

leptics persons committed to other State institutions upon commitments which, in form, would have authorized the detention of such persons in the first instance at the institutions to which they are transferred. In the case of dipsomaniacs and inebriates, for instance, the form of commitment under the provisions of R. L., c. 87, § 59, is the same, whether the person is committed to a State insane hospital or to the Hospital for Dipsomaniacs and Inebriates; and persons committed to a State insane hospital as inebriates may therefore be transferred by the Board, under the authority of section 92, to the Hospital for Dipsomaniacs and Inebriates. The provision in section 92, above referred to, that "no inmate of said other state institutions under its supervision shall be transferred to said hospitals or school unless such inmate has been duly committed thereto, in conformity with the provisions governing the commitment of patients to said hospitals and school," is obviously intended to secure the result that only persons committed as dipsomaniacs in the first instance may be transferred to the Hospital for Dipsomaniacs and Inebriates.

I am further of the opinion that persons transferred by the Board under the authority of the sections above cited to the Hospital for Dipsomaniacs and Inebriates may be confined therein only for a period of two years from the date of the original commitment (see R. L., c. 87, § 60).

Respectfully yours,

HERBERT PARKER,  
*Attorney-General.*

#### THE BOARD.

Mr. Seward W. Jones of Newton Highlands was appointed, Dec. 10, 1902, a member of the Board, to succeed Mr. Francis B. Gardner, resigned.

Thirty-one Board meetings were held during the official year.

Twenty-three conferences with the trustees and superintendents of the different institutions were arranged, to promote harmonious action with relation to appropriations, construction and general policy.

Nineteen visits of inspection to institutions were made by the Board, in addition to one hundred and eighty-two by the executive officer and his deputy.

Careful attention is paid to all complaints as to commitment, discharge or treatment of patients, whether originating with the latter or otherwise; twenty-two special investiga-



tions were made this year in regard to these and other matters.

During the year licenses to maintain an asylum for the care and treatment of insane persons have been granted by the Governor, on the recommendation of the Board, to J. F. Edgerly, M.D., of Newtonville, and to W. F. Robic, M.D., of Baldwinville.

In compliance with section 7, chapter 87 of the Revised Laws,

#### PLANS AND SPECIFICATIONS

have been examined and approved by the Board, as follows:—

*Nov. 5, 1902.* — Westborough Hospital: Buildings for one hundred women patients, provided for in section 2, chapter 434, Acts of 1902.

*March 11, 1903.* — State Colony: Service building and heating and electric lighting plant, provided for in section 2, chapter 434, Acts of 1902.

*April 1, 1903.* — Danvers Hospital: Three buildings provided for in section 2, chapter 434, Acts of 1902.

*May 20, 1903.* — School for the Feeble-minded: A dormitory, provided for in section 2, chapter 434, Acts of 1902.

Danvers Hospital: Boiler house and coal pocket, provided for in section 2, chapter 414, Acts of 1903; and two additional one-story wooden buildings, like those approved on April 1, 1903.

*July 8, 1903.* — School for the Feeble-minded: Addition to bakery and dormitory for 80 inmates, provided for in section 2, chapter 434, Acts of 1902; manual training building, provided for in section 2, chapter 414, Acts of 1903.

Taunton Hospital: Nurses' home for men, and cottage at Raynham farm, provided for in section 2, chapter 414, Acts of 1903.

State Hospital: Building for 100 women patients, provided for in section 2, chapter 434, Acts of 1902.

*July 15, 1903.* — Westborough Hospital: Building for 100 disturbed women, provided for in section 2, chapter 414, Acts of 1903.



Worcester Asylum : Alterations in kitchen building, provided for in section 2, chapter 414, Acts of 1903.

*Aug. 12, 1903.* — Hospital for Epileptics : Two cottages, provided for in section 1, chapter 396, Acts of 1903.

State Colony : Building for women, and administration building, provided for in section 2, chapter 414, Acts of 1903.

Worcester Asylum : Building at Grafton colony, for 67 disturbed women, provided for in section 2, chapter 414, Acts of 1903.

*Sept. 9, 1903.* — Medfield Asylum : Nurses' home, provided for in section 1, chapter 397, Acts of 1903.

Westborough Hospital : Three cottages for male nurses, provided for in section 2, chapter 414, Acts of 1903.

#### SEMIANNUAL CONFERENCES

between the Board and the trustees of the different institutions were held, as required by section 11, chapter 87 of the Revised Laws. The subjects for discussion were :—

*Nov. 11, 1902.* — Development of the colony idea in the extension of existing institutions ; main purposes ; how far applicable ; what classes of patients are suitable ; location in relation to parent institution ; size, construction and arrangement of buildings ; organization ; other aspects of the subject.

*May 19, 1903.* — Special hospitals for acute cases of insanity.

#### FINANCES OF THE BOARD.

The expenses of the Board and for the support of certain State insane paupers for the official year were as follows :—

Expenses of the Board :—

Travelling and office expenses, . . . . .	\$3,748 39
Salaries of officers and employees, . . . . .	16,023 55
Transportation and medical examination of State paupers, . . . . .	6,621 78
Printing annual report, . . . . .	757 94

Support of—

Insane paupers boarded out in families, . . . . .	6,414 77
Paupers in Hospital Cottages for Children, . . . . .	5,743 20

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\$39,309 63

## DETAILS.

*Travelling and Office Expenses.*

## Travelling expenses:—

Members of the Board, . . . . .	\$650 97
Owen Copp, . . . . .	\$110 53
Lowell F. Wentworth, . . . . .	276 44
John E. Fish, . . . . .	384 98
Francis B. Gardner, . . . . .	389 60
Mabel G. Gragg, . . . . .	429 10
	<hr/>
	1,590 65

## Office expenses:—

Express, . . . . .	\$10 96
Miscellaneous, . . . . .	27 63
Postage, . . . . .	406 22
Printing and binding, . . . . .	575 44
Publications, . . . . .	142 19
Stationery and office supplies, . . . . .	277 88
Telegrams and telephone, . . . . .	66 45
	<hr/>
	1,506 77
	<hr/>
	\$3,748 39

*Salaries of Officers and Employees.*

Owen Copp, M.D., executive officer, . . . . .	\$5,000 00
Lowell F. Wentworth, M.D., deputy executive officer, . . . . .	2,750 00
John E. Fish, M.D., medical visitor, . . . . .	1,500 00
Francis B. Gardner, clerk, . . . . .	1,500 00
Sarah Chapman, stenographer, . . . . .	900 00
Annie G. O'Connell, stenographer, . . . . .	100 00
Clara L. Fitch, stenographer, . . . . .	123 55
Katie G. Stetson, clerk, . . . . .	433 33
Rebecca J. Greene, clerk, . . . . .	650 00
Nellie F. Ball, clerk, . . . . .	641 67
Mabel G. Gragg, visitor, . . . . .	700 00
Ella Heal, transportation officer, . . . . .	700 00
Fred A. Hewey, transportation officer, . . . . .	1,025 00
	<hr/>
	\$16,023 55

*Transportation and Medical Examination.*

## Travelling expenses of officers:—

Fred A. Hewey, . . . . .	\$825 98
Ella Heal, . . . . .	642 70
Mabel G. Gragg, . . . . .	230 47
	<hr/>
	\$1,699 15

Assistance, . . . . .	\$711 35
Express, . . . . .	22 15
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<i>Amounts carried forward,</i> . . . . .	\$733 50	\$1,699 15
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<i>Amounts brought forward,</i>	\$733 50	\$1,699 15
Fares, patients,	2,699 98	
Food and lodging, patients,	67 75	
Forwarding foreign-bound patients,	1,408 47	
Medical examination,	4 00	
Miscellaneous,	6 06	
Telegrams and telephone,	2 87	
	<hr/>	4,922 63
		<hr/>
		\$6,621 78

*Support of Insane boarded out in Families.*

Assistance,	\$8 00	
Board,	6,108 64	
Burial expenses,	25 00	
Clothing,	103 65	
Medical attendance and medicines,	169 18	
Miscellaneous,	10	
Telegrams and telephone,	20	
	<hr/>	\$6,414 77

### STATISTICAL INFORMATION

in detail concerning the insane and the financial condition and operations of the State institutions will be found on later pages of this report.

### THE NUMBER OF INSANE

Oct. 1, 1903, was 4,161 men, 4,449 women, 8,610 total, in public institutions; 12 men, 147 women, 159 total, boarded in private families; 88 men, 146 women, 234 total, in private institutions, making an aggregate of 9,003, 4,261 men, 4,742 women.

Of these, 73 were non-resident private patients, 6 being in public institutions and 67 in private.

In addition, there were in almshouses and private families, under control of overseers of poor, approximately 337 men, 462 women, 799 total.

Therefore, the whole number of registered insane in the State on the above date was 9,802, of whom 9,729 were permanent residents of the Commonwealth.

The whole number of different insane persons passing under official notice in institutions and boarded out within the year was 11,341, of whom 9,003 remained October 1, 483 had recovered, 853 had died, 127 had been deported,

and 875 had been discharged unrecovered to live in the community, in addition to approximately 799 insane inmates of almshouses and private families, under care of overseers of poor.

#### THE APPARENT INCREASE OF THE INSANE

for the year, as shown the first day of October by the number in public and private institutions and boarded out, was 342, against 497 the preceding year, — a diminution in increase of 155. Although 78 more commitments were made, there were 233 \* more discharges.

#### THE INCREASE IN ACCUMULATION

of the insane in public institutions was 339, against 465 the previous year, 396 the average annual increase for the last five years, and 352 for the last ten years. Such diminution of increase is largely explained by special reasons, viz.: 35 more patients boarding in families; 31 more deported; and a change in classification of discharges, which shows 20 less in institutions than would have appeared under the former method.

#### ADMISSIONS BY COMMITMENT

to public institutions were 2,610, 1,346 men, 1,264 women; to private institutions 179, 89 men, 90 women, making an aggregate of 2,789 commitments, 1,435 men, 1,354 women, an excess of 78 over the previous year.

Of persons appearing for the first time in any institution for the insane, 1,076 men, 954 women, 2,030 total, were received into public hospitals; 58 men, 64 women, 122 total, into private hospitals, making an aggregate of 2,152 new cases, an increase of 83 over the preceding year.

#### DISCHARGES, INCLUDING DEATHS

but not transfers, reached a total of 2,203 from public institutions, 189 from private, 5 from boarding in private families, 2,397 from all, being 183 in excess of those of the previous year, exclusive of 38 absences on visits and 12 on elopement.

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\* Includes 38 on visits and 12 on elopement.

## RECOVERIES

in public institutions numbered 425, in private, 62, 487 in all, 52 more than the previous year.

The percentage of recoveries —

To commitments, . . . . .	17.47 ; two years' average, 16.75
To discharges, . . . . .	31.54 ; " " " 30.85
To discharges and deaths, . . . . .	20.32 ; " " " 19.98
To all persons within the year, . . . . .	4.29 ; " " " 4.16
To the daily average number, . . . . .	5.57 ; " " " 5.39

Such low recovery rate is due in part to the conservatism of our hospital superintendents in the use of the term "recovery." They define it by a strictly medical test, which excludes cases showing brain damage because of mental disease, and they disregard the social test, or ability to live and become self-supporting in the community. If the term should be broadened to the limit of the social test, as is sometimes done elsewhere, especially abroad, practically all our much-improved discharges would pass into the category of recoveries. Hence it would be of interest to figure percentages after adding the much improved to recoveries.

These together were 770 in public institutions, 2 boarded out, 94 in private institutions, 866 total, 93 more than last year.

The percentage of recoveries and much improved cases —

To commitments, . . . . .	31.06 ; two years' average, 29.78
To discharges, . . . . .	56.08 ; " " " 54.81
To discharges and deaths, . . . . .	36.12 ; " " " 35.51
To all persons within the year, . . . . .	7.63 ; " " " 7.40
To the daily average number, . . . . .	9.90 ; " " " 9.58

## DEATHS

in public institutions numbered 819, in private 31, of boarded out 3, 853 in all, 81 more than last year.

The percentage of deaths —

To discharges, . . . . .	55.26 ; two years' average, 53.58
To discharges and deaths, . . . . .	35.58 ; " " " 35.22
To all persons within the year, . . . . .	7.52 ; " " " 7.34
To the daily average number, . . . . .	9.75 ; " " " 9.50

## THE SUPPORT

of patients remaining Oct. 1, 1903, was chargeable as follows :—

INSANE.	State.	Town.	Private.	Total.
Public institutions, . . . . .	2,315	5,607	688	8,610
Boarded out, . . . . .	40	103	16	159
Private institutions, . . . . .	—		234	234
Total, . . . . .	2,355	5,710	938	9,003
Percentsge to whole number, . . . .	26.16	63.42	10.42	
Increase for the year, . . . . .	116	234	7	343
Public institutions and boarded out, . .	2,355	5,710	704	8,769
Percentsge to whole number, . . . .	26.85	65.12	8.03	
Increase for the year, . . . . .	116	234	24	374
Percentage of increase, . . . . .	31.02	62.57	6.42	—

THE AVERAGE WEEKLY PER CAPITA COST OF MAINTENANCE in the five State hospitals and the Worcester and Medfield asylums is shown thus :—

	Five State Hospitals.	Worcester and Medfield Asylums.	All.
<i>This Year's Average.</i>			
A. Computed by superintendent, . . . . .	\$3 77	\$3 10	\$3 57
B. Computed on expenditures, . . . . .	3 80	3 17	3 61
C. B, less income from sales, rent and interest on bank account.	3 71	3 09	3 52
D. C, less increase in value of supplies at end of the year, .	3 61	2 97	3 42
E. D, less repairs and improvements, . . . . .	3 44	2 84	3 26
<i>Two Years' Average.</i>			
Computed on C, . . . . .	3 74	3 05	3 53
Computed on C, less repairs and improvements, . . . . .	3 51	2 86	3 31

The net average weekly per capita cost of maintenance of

## PUBLIC CHARGES

may be computed by dividing total expenditures for maintenance, less total receipts from board of private patients,



sale of supplies, rent, interest and increase in value of supplies on hand at the end of the year, by the average number of public charges. Such division yields: for five State hospitals, \$3.32; for Worcester and Medfield asylums, \$2.97; for all, \$3.20.

## PUBLIC INSTITUTIONS.

### *Worcester Hospital.*

Admissions to this hospital during the year numbered 624, being 159 more than were received by any other hospital, and considerably in excess of its due proportion. The disparity is greater than heretofore, and, should it continue, will require correction by a rearrangement of hospital districts.

The daily average number of patients was 25 more than last year, indicating so much greater overcrowding. Fortunately, the general health was good and no infectious disease appeared.

Increasing attention is paid to the individual care and treatment of patients. There is observed a tendency to place the more irritating patients, who react unfavorably upon others, in the care of special nurses, and thus, without resorting to seclusion, to remove such influence, either by special oversight or by withdrawing them apart by themselves. It is noted with satisfaction that more frequent use is made of the wet-pack and other means of allaying excitement.

Dr. Theodore A. Hoch, who has served the hospital as junior and senior assistant for about three years, has been appointed pathologist and director of the laboratory. Interesting studies upon the chemistry of nerve degeneration in general paralysis and other mental affections have been carried on by senior assistant Dr. I. H. Coriat, and the results published in the "American Journal of Insanity." The immediate needs of this department are thus set forth by the superintendent in his annual report:—

I would again call attention to our need of a pathological building and morgue. We are greatly hampered in our work by the lack of such a building. For some years we have been trying to

bring up the standard of the medical work of the institution, and place it upon the same plane as that of the general hospital, and our efforts have, I am pleased to believe, met with no small degree of success. Not so very long ago it was the complaint in regard to our insane hospitals that they were nothing but large boarding houses, and that little if anything was done towards the treatment and cure of the inmates. If this was ever true of any one of them, which I am unwilling to acknowledge, they can now, I am sure, fairly claim to have gotten beyond the boarding house stage, and to have become in reality hospitals, where each individual has a most thorough and painstaking investigation of his case, followed by such treatment as modern scientific methods suggest. As the result of changed methods, the whole medical atmosphere of the institution has changed, and as a consequence we are now able to attract a very superior class of young physicians as assistants. They no longer, as formerly, seek or hold their positions chiefly for the salary attached, but rather for the experience and training received. Relieved as they now are to a large extent from routine duties, they give, under efficient direction, their time and energy to the study of their patients, and have become very enthusiastic and painstaking in their work. Medical enthusiasm, however, in an insane hospital, where there is so much to claim a young person's attention in other directions, is a plant difficult to propagate, of slow growth, and quick to droop unless persistently and constantly cultivated and encouraged. To secure this result it is necessary that we should keep up with the times, and in order to do this we must have facilities for carrying on certain lines of work recognized as essential in every modern hospital. When our little laboratory was established, the only available place therefor was, unfortunately, in the administration building, under the general offices and reception rooms. Here the room is not only limited, but on account of location entirely unsuited for the work, which it is necessary to carry out. We are obliged, for instance, to forego much in the way of examination of the various excreta, — examinations which are now regarded as absolutely necessary for purposes of exact diagnosis, — because of their offensive nature. This not only tends to the disadvantage of the patient, but it discourages that thoroughness on the part of the physician which it should be the aim of every one to cultivate. Several of our young men have shown a decided talent for original investigation, and it has been exceedingly unpleasant for the superintendent to say to such that the necessary means for carrying on their investigations could not be furnished, or that they must be discontinued on account of their offensive nature. As to the morgue, which would naturally be

provided for, in the pathological building, I am sure that any one who will take the trouble to make himself familiar with the very disagreeable conditions under which we now labor in caring for the bodies of patients after death will readily concede that entirely different provisions must be made before this work can be done in a seemly way, without undue publicity, and without shocking the sensibilities of the living inmates of the house.

A superintendent of nurses has been appointed, and the organization of a training school will proceed at once.

The house for women nurses is practically completed, and will be occupied within a few months. It is located a few hundred feet to the right of the main building, being heated and lighted from the central plant. It is a plain, substantial structure of stone with brick trimmings, in harmony with the other parts of the hospital. It is three stories in height, having a central part 40 by 46 feet, and two wings, 48 by 37 feet, making the entire front 136 feet. In the front on the first floor the main entrance is in the centre, with a reception room on one side and an office for the superintendent of nurses on the other; above, in the second story, a classroom, 14 by 25 feet; in the third story, three double bed rooms. In the rear, across a corridor running the entire length of the building, in each story, are ample bath and toilet rooms. There is a staircase at either end of the building, in addition to the main staircase in the centre, all fire-proof and enclosed in brick walls. Fifty-three bed rooms, 9 feet 6 inches by 14 feet, open off the corridors. It will afford a pleasant home for the nurses.

An addition to the executive building has been made, furnishing needed room for stenographers and typewriters.

The installation of the electric lighting plant is proceeding steadily; the boiler house is being enlarged, and contracts have been awarded for the boilers, engines and dynamos. Plans are being prepared for wiring the buildings.

#### *Taunton Hospital.*

A daily average of 951.8 patients has been cared for, being 10 more than the previous year, and much beyond the normal capacity of the institution. The new house for female

nurses will provide for 53 additional persons. A similar house for 65 male nurses and a building for 43 patients at the Raynham colony are being constructed. Additions are also being made to the ward dining rooms, whose occupancy will vacate old dining rooms for the use of patients. Therefore considerable relief is in sight.

Perhaps the greatest need here would be met by a reception hospital for acute cases, which could be made the nucleus of an acute hospital group, upon the general plan previously recommended.

The medical staff have shown a gratifying interest in boarding out, and have been of great assistance in forwarding this work. Twenty-five patients have been removed during the year to live in private dwellings.

The greatly diminished frequency of malarial attacks encourages the hope that this disease will be much less troublesome in future. Otherwise no patient has suffered from infectious disease, although 13 cases of measles developed among nurses and employees.

The percentage of deaths to the daily average number of patients was 11.2, against 11.69 for the six public insane hospitals, 6.54 for the Worcester and Medfield asylums, and 9.75 for the entire insane population under supervision of the Board.

The training school for nurses graduated 6 women and 4 men, making in all since its beginning 26 women and 22 men. All present supervisors and head nurses in charge of wards are graduates of the school.

Twenty-eight autopsies have been performed, being 26 per cent. of total deaths. This proportion can probably be increased by greater effort on the part of the medical staff. The relation of the laboratory to the clinical work becomes more intimate. The pathologist has general supervision over clinical records. The senior assistant physicians, assisted by two internes, are made responsible for a systematic mental and physical examination of each patient admitted. Three papers have been written, one on Korsakoff's psychosis, another on the role of toxins in the production of insanity, and a third on paranoia.

*Northampton Hospital.*

A daily average of 657 patients has been cared for during the year, being 21 in excess of the number last year, and 111 five years ago. This indicates overcrowding, inasmuch as no additional accommodation has been available. However, relief is at hand. One hundred patients and nurses will be provided for in the new women's infirmary, which is nearly ready for use. A similar building for 100 male patients is now under way. An additional ward for 25 female patients will undoubtedly be finished within a year.

There were 257 patients admitted, against 466, the average for the other State hospitals. Of these, 63 per cent. were born in the United States, compared with 49 per cent. of admissions to the Worcester Hospital, 48 per cent. to Taunton, 61 per cent. to Danvers, 57 per cent. to Westborough, 56 per cent. to Boston, and an average of 55 per cent. to all public hospitals.

There has been very little acute illness. Malaria has abated, only two cases having appeared the past year.

Three women were graduated from the training school for nurses, and 6 others will receive their diplomas in a few weeks. The superintendent and assistant superintendent of nurses are graduates.

The cold-storage plant has been a notable success. A large crop of apples was kept practically without loss, a part remaining in the month of August. In April and May 18,000 dozen eggs were bought and put in storage.

Here, as elsewhere, there has been a constantly enlarging corps of nurses and employees, commensurate with the growth of the institution and the greater demands of the service. The superintendent says:—

With an increase in the number of patients, there is a corresponding increase in the number of employees. Our force has increased in ten years from an average of about 85 to an average of 135. The work is unattractive to some, and some are found to be unfit for the work; consequently, there are many changes, and the larger the force of employees the more changes there are. Still, at the end of the year half of our employees had been here longer



than one year, 10 had been here from one to two years, 22 from two to five years, 11 from five to ten years, 7 from ten to twenty years, 4 from twenty to thirty years and 5 from thirty to thirty-six years.

Extensive alterations and improvements in the heating and ventilating systems are in progress.

The new cow stable has been completed, and accommodates 70 cows and an equal number of young stock.

### *Danvers Hospital.*

The State has lost an efficient superintendent by the resignation of Dr. A. H. Harrington, who has taken charge of the New York Eye and Ear Infirmary. Under his administration the Board observed a steady progress in the care and treatment of the patients and in the structural improvement of the hospital.

The trustees have a difficult problem to solve in connection with their water supply, and make the following résumé of the situation in their annual report:—

The question of a supply of water for the new buildings and the future supply for the large main hospital is the most important matter that confronts us. It has been impossible to make any satisfactory terms with the town of Danvers for a continued supply of water, for the reason that they demand an extravagant price for supplying the reservoir with water for our use. The matter has been committed to a commission, who have reported to the court, and the case is now before the supreme judicial court; but there is little or no hope that it will be decided satisfactorily to both parties, and the case will be no nearer settled than it was four or five years ago. So, in our judgment, the only solution of the problem is for the State to put in an independent water plant for both hospitals.

When the question of water supply was first considered by the building commission, they expected to take water from the Ipswich River; but the town of Danvers had been considering the question of a water supply for several years, and at last obtained an act of the Legislature authorizing them to take a supply from Middleton Pond, and the town accepted the act and there stopped. The State commissioners then proposed to the town to join in building a plant for the use of the State and the town, and take water from Middleton Pond, and offered the town \$30,000 and \$1,000 annually for



their future supply. This offer was rejected by the town. Then the town voted to put in a water plant, provided it should not cost over \$150,000. George H. Norman had given the town a bid to put their plant in complete, with a reservoir, for \$200,000. As the town would not advance from their limit of \$150,000, the State commissioners said they would furnish the \$50,000, so that the town could put the water plant in. Arrangements were made to do so, and George H. Norman was given the contract. As the reservoir was to be built on Hathorne Hill, the site of the hospital, the commissioners thought it best that they should build it; and it was agreed with Mr. Norman that they should build it, and he would allow \$37,500 to the State, and the contract should be reduced to \$162,500, — the State to pay the town the difference between the \$50,000 and the cost of the reservoir, being \$12,500. So the contract between the town and State was drawn and executed to that end.

When the terms of the contract terminated, at the end of twenty years, in 1896, the town and State were to agree what amount should be paid by the State annually for the future. The trustees of the hospital were willing to continue to pay the same as they had paid for twenty years, \$1,000 annually; but the water commissioners of the town declined to accept that amount, and wanted the State to pay the sum of \$2,000 annually, which the trustees declined to do.

Then the town of Danvers took the matter out of the hands of the water commissioners, and after holding several town meetings voted that the State should pay the amount of \$5,475, in addition to furnishing a reservoir for the use of the town and keeping it in repair and clean, and giving the town the use of \$12,500. Now, if the claim of the town made to the commissioners appointed by the court to hear the case and report upon it should be accepted or enforced, the State would have to pay for the present yearly supply the sum of \$5,546.94, together with the use of the reservoir, at a cost of \$37,500, and cash paid into the plant, \$12,500, which at  $4\frac{3}{4}$  per cent. interest on said investment, \$50,000, would equal a charge of 17.36 cents per one thousand gallons, without considering that the reservoir cost several thousand dollars more than was allowed for it by Mr. Norman, and no account being taken of repairs of reservoir or of keeping it clean, or of the land the reservoir stands upon.

The water works as a whole plant, including the reservoir, consisted of a source of supply, an intake pipe, and a pumping plant for drawing the water from Middleton Pond and forcing it through a 12-inch main 13,879 feet long to and into the reservoir on Hathorne

Hill. This reservoir is at an elevation sufficient to distribute it. From the reservoir is a leading or supply main to conduct the water to the streets in Danvers, where distribution pipes are laid for delivering it to the users.

The inhabitants of Danvers all take water from the leading or supply main and distribution pipes after it leaves the State's property. The State takes the water for the hospital direct from the reservoir, and at its own expense laid a pipe from the reservoir to its buildings, and such other distribution pipes throughout its grounds and buildings as it deemed best; and maintained an apparatus, a pump and well, in order to raise the water from the level of the reservoir so that it would flow throughout the buildings and grounds of the hospital; and has kept the reservoir in a perfect, safe and pure condition. The town wanted water works. It voted to build a complete system, provided it could have that system which had been figured at \$200,000 if it were to cost the town only \$150,000. In order to have that system, it made a contract with the State whereby the State contributed the other \$50,000, viz., \$37,500 in a reservoir and \$12,500 in cash.

Both parties wanted water; each had the same right to take it from Middleton Pond. The town thought it could not afford to build a plant alone; the cost was prohibitive. The State could. Their joint interest was to take the water from the pond and put it into the reservoir, from which each could draw what it needed. One was to deliver it to the inhabitants of Danvers anywhere it was needed, and derive a revenue from the sale thereof. The other was to repump it from the reservoir for the use of the hospital. Their joint interest in the undertaking stopped at the reservoir. The plan was fixed and certain to that point; beyond that the plan is ever changing and the costs and receipts are ever changing. By the business rule of cost and expenses at the reservoir everything is certain. Nothing was ever to vary except the quantity of water. Independent pumping stations for both parties would involve unnecessary expense, and a combination for operation would result in a saving to both parties. Manifestly, the town must maintain an active pumping station at the pond, and to offset that investment and preserve the balance of financial responsibility the hospital agreed to build the reservoir.

The principle of mutual benefit and joint financial responsibility was further advanced by stipulating that the wear and tear at the pumping station and along the main, which fall to the account of the town, should be counterbalanced by the obligation of the State to forever maintain repairs upon the reservoir at the hospital. Could a contract have been made with better provisions to guard

against possible friction from aggravating questions of superior rights, incidental expenses, etc.?

Again, the conditions under which the plant was to be operated display the same carefully guarded mutual interests and co-equal rights. The town of Danvers may for all time use the hospital reservoir as its storage basin and the head of its distributing system. On the other side, the town cannot refuse to pump the hospital's water from Middleton Pond to the hospital reservoir. The town cannot sell the hospital water which it already owns. Therefore, the State has simply hired the town to pump its water for the hospital, and compensation for pumping water used by the hospital is all the town has any right to claim.

The original commissions, in their wisdom, — and the more closely their work is considered the more admiration one will have for their management of the case, — decided that \$1,000 a year was ample return for the service. At that time the town service was limited, and the town's income from the water works was small.

The town must maintain a fully equipped pumping station, whether it pumps water for the hospital or not. The pay for engineer and fireman is no greater because the hospital water is pumped. All the town does for the hospital is to raise the water about 120 feet. Now, the cost of raising water a given number of feet by machinery is an easy engineering problem. Every authority on water works solves that problem. One pound of coal will pump 320 gallons of water 120 feet high, therefore 390 pounds will pump 125,000 gallons a day into the reservoir. That is, 64 tons of coal a year, even at \$5 a ton, would only be \$320, which is what it would cost the town extra if it had paid for the whole plant in addition to the cost of supplying the inhabitants of Danvers if it supplied the hospital.

With such gross and extravagant claims by the town, the trustees can never come to an agreement with the inhabitants. Had the question been left with the water commissioners, where it rightfully and legally belonged, there possibly might have been an agreement, as the trustees were disposed to be liberal with the town. There is no equitable way to show by figures that the State should pay one dollar more than the interest on the investment made in the plant and the care of the reservoir.

This controversy began prior to the creation of the Board of Insanity, and the questions involved have been considered by a special commission and the supreme judicial court. Therefore the Board has not felt called upon to make such investigation as would warrant the expression of an opinion

upon the merits of the case. However, its consideration of the subject leads to the conclusion that the prospective growth of the institution and the increasing demands of the State service amply justify the trustees in pursuing an independent policy, unless an equitable arrangement can be speedily made with the town.

Much interest is taken in the laboratory work, which has been promoted by the addition of apparatus and the employment of an assistant to relieve the pathologist of routine duties. Eighty-three autopsies were made, being 65 per cent. of all deaths.

Eight women were graduated from the training school for nurses. More generous relief from duty has been granted the nurses. One entire day each week is allowed, in addition to one or two evenings. A week's vacation is given for each six months' service. No account is taken of two weeks' disability because of illness in each year.

The new group of buildings providing for 250 female patients is nearing completion, and probably will be occupied by January first. The cottage on Dayton Street has been remodelled, and accommodates 9 male patients.

#### *Westborough Hospital.*

Four years ago the average patient population was 662; but 753 the past year, an increase of 137. Within the same period the Warren farm colony for 100 male patients and the Richmond cottages for 100 female patients have been established, and are now in use. A building for 100 patients, especially planned for the care of the disturbed class, and three houses for female nurses, each providing for 18 persons, are in process of construction. Thus total provision has been made for 354 persons.

The Richmond cottages have been completed within the past year. They are pleasantly situated on the hillside overlooking Chauncey Lake, midway between the Warren farm and the main buildings. The group consists of four one-story houses, constructed of wood, with wide piazzas on one side and front. They are about 75 feet apart, connected by corridors with each other and a central kitchen and din-

ing room building. Each provides for 25 patients in a commodious dormitory and day room, with large fireplaces. No guards are upon the windows, and ample exits open directly upon the ground. Low-pressure steam-heating apparatus is installed in the basement of the kitchen building, in a fire-proof chamber. Electric lighting is furnished from the central plant.

The trustees wisely urge the importance of extending their classification of patients suffering from acute insanity. Already the Talbot building provides very satisfactorily for the quiet cases of this class, to the number of 25 of each sex. To this nucleus of an acute hospital group it is desired to add a second building for 30 disturbed patients. The Board heartily approves of such addition.

The superintendent has always shown great interest in boarding out the insane in private families, and is very helpful in suggesting suitable patients. Seventeen were placed last year.

Thirteen women and two men were graduated from the training school for nurses.

The same methods of treatment of patients have been pursued. Another assistant physician has been added to the medical staff.

The special studies on Indican have been continued in the laboratory. The director hopes to begin investigations along the lines of physiological chemistry. In addition to 18 autopsies and many urinalyses, there were made during the year "123 complete blood counts, 17 examinations for malaria (6 of which were positive), 12 examinations for the Widal reaction (all of which were negative), 65 cultures for sore throats (6 tubes of which showed growths of Klebs Loeffler bacillus), 3 cases of diphtheria, 14 cases examined for gonorrhœa (4 of which were positive), 53 specimens of sputum examined for the bacillus of tuberculosis, 7 bacteriological examinations for erysipelas (2 of which were positive), bacteriological examinations from other sources 48, stomach contents 2, and tissues from operations for diagnosis 8, a total of 994."



*Boston Hospital.*

The daily average number of patients has risen 26, mainly owing to fewer transfers to State asylums. Thirty-eight, or 12 per cent. of the admissions, were cases of emergency, many of whom were received for temporary care until their condition allowed transfer to other institutions.

The new reception, observation and infirmary buildings are nearing completion, and will greatly facilitate the classification and treatment of acute cases. They are thus described by the superintendent:—

In August [1902] a contract was awarded for and work begun upon three hospital buildings, containing ten wards and a mortuary building, at the women's department. The buildings are to be of red brick, with limestone trimmings. They are to have flat roofs, thus affording better protection against fire, and avoiding large attics. Each building is provided with fireproof stairs within brick shafts, thus avoiding the dangerous fire-escapes. The first floors are to be of fireproof construction. The buildings will be heated by indirect steam, and lighted with electricity from the present heating and lighting plant. They will be thoroughly ventilated. There will be in each ward heated air shafts, provided for towels, mops, pails, etc.

The largest building is of three stories, and stands in the centre of the group. This building has two separate wards on each floor, designed much as a ward in a general hospital, having a large, well-lighted space, containing thirteen beds. It has been the design to have several wards of small capacity. In these hospital wards will be placed the really ill, exhausted or helpless patients,—those in actual need of nursing. Off each ward are ample toilet, bath and clothes rooms, with a few single bed rooms for those who are not suitable for care in an open ward. In three of these wards are dining rooms. In the others, where patients are more closely confined to the bed, there will be no dining rooms, but a serving room and small diet kitchen. With six wards for the sick patients, it will be possible to keep the more intelligent and appreciative patients away from those who are demented, and who may be more or less repulsive. It will also give an opportunity for better nursing than has been possible before. There will be a ward for the helpless, bed-ridden patients, who are a great care, and who demand almost constant attention, and another for the recently admitted exhausted patient, who needs rest, but who ought not to



be subjected to the depressing influence of seeing several helpless and paralyzed unfortunates about her.

This building has a high basement, in which are to be several features to aid in the better treatment of the sick insane. A large space is assigned for therapeutic baths ; a gymnasium is to be provided for convalescent patients. Here also is a small, neat operating room for surgical work. In one wing is an ample laboratory for the physicians' research, in connection with which is a photographic dark room. The building is equipped with a passenger elevator, large enough to receive a hospital bed.

The building is so arranged that a patient or visitor can be taken directly to any one of the six wards without passing through another ward. Near the front door is a small examining room, where a patient on admission is received by the physician, and she may pass directly to a private suite of rooms, if desired, and she need not see another patient for several days ; or the friends of a very sick patient may spend the night in one of these rooms, near the patient, and not be brought in contact with any other patient. Such almost necessary features in a hospital for the insane have not been provided here before.

Another building of two stories with one ward on each floor, to accommodate 15 in each ward, is designed for those able-bodied patients who require constant watching. This is the "observation ward." In this ward will be placed all those bent upon self-destruction, and who are not so ill as to require bed treatment. These wards have been carefully planned, so that from any part of the day room or sleeping room one nurse can see every patient. There are no recesses in which a patient may conceal herself, nor is the nurse obliged to be conspicuously observant in her most anxious work of keeping her patients in sight. There is a most pleasant, sunny sitting room, with a south-easterly and south-westerly exposure. There is a large, convenient toilet room, with marble dadoes and white tile floor. This, again, is arranged with great care that there shall be no recesses.

The most difficult class of the insane to care for, as well as the most expensive, is the turbulent, noisy and destructive. Such patients are a source of annoyance to the entire institution, if allowed to be within earshot. These cases irritate each other, and the "excited ward" in an insane hospital is the most difficult to manage, and is its most depressing feature. One may be sure that the larger the number that can be accommodated, the more excited patients there will be.

With a view to reducing this difficulty to its minimum, a detached building with only two wards of ten beds each has been designed,

so located that the noise of a screaming or singing patient cannot disturb those in other wards. The ward is roomy, to give these irritable people plenty of space. Each patient has a single room, with a guarded window. The windows are glazed, with plate glass. It is the intention to use this ward as a temporary place for those who may be disturbed at the time, and by rapidly moving patients to eliminate the old *bête noire* of our insane hospitals, *i.e.*, the "excited ward," with thirty to fifty noisy, screaming women, who mutually react upon each other. As it would be exceedingly dangerous to have a small nursing force on this ward, the patients will have the benefit of a relatively large staff.

In an out-of-the-way corner, yet readily accessible, is a mortuary building, with a receptacle for several bodies. In this building is a reception room, and a large, well-lighted laboratory for the physicians' use.

Five nurses were graduated from the training school, of whom several remain in the hospital service.

This hospital continues to furnish clinical instruction in insanity to the students of the different medical schools.

### *Worcester Asylum.*

Heretofore the asylum has been practically free from malaria, but this year 70 cases appeared, among both patients and employees. This disease has been prevalent in the community about the institution, but its onset followed almost directly the reception of patients from another institution where malarial conditions are known to exist. There have been several cases of diphtheria among employees, which originated from outside sources.

Unusual difficulty was encountered during the summer in securing and retaining a sufficient number of female nurses. Here, as elsewhere, there is evident a strong tendency to improve the conditions of the nursing service, by shortening hours of work, providing separate dining rooms, and allowing more time off duty.

The institution is developing rapidly on colony principles, so far as applicable to the chronic class of the more troublesome patients. The administrative centre remains at the asylum, in the heart of the city of Worcester; but the Grafton colony, about eight miles out, is the seat of chief activity

in extension. Here 50 men have lived during the summer in houses existing on the estates at the time of purchase.

These houses are being rapidly and thoroughly renovated, and will form the beginning of three independent groups, at a considerable distance apart. It is proposed to add one-story dormitories, so that the use for patients of second stories of present wooden houses may be discontinued, and each group sufficiently enlarged to afford greater economy of management. A brick building for 60 disturbed women is being constructed, the first of a fourth group for this class. Shops, storehouses and central electric lighting and power plant will be installed on a spur track from the Boston & Albany Railroad, where coal and supplies can be landed without carting.

### *Medfield Asylum.*

An average of 1,410 patients has been cared for in quarters originally intended for about 1,000. Although such estimate of capacity is too low in comparison with space allowed inmates of other State institutions, so great crowding would not be justifiable unless the condition of other institutions had necessitated it, nor unless adequate efforts were being made to effect a remedy. Both requirements have been met. A farmhouse for 40 working men and a house for 70 female nurses have been built and recently occupied. A similar house for male nurses and a building for 100 female patients of the disturbed class are now being constructed. Funds are available for the erection of a pavilion for 40 tuberculous patients. Preliminary to any further extension, it is necessary to enlarge the central heating and power plant. Inasmuch as a more favorable location, as explained in our last report, would effect a large annual saving in administration, it was deemed advisable to install an entirely new plant, sufficient to meet the needs of an institution for 2,000 patients. Plans for this also are being matured, and funds are available for carrying them out.

The next step should be provision for disturbed male patients, such as is being made for women. The trustees request an appropriation for the purpose this year.

The building for disturbed women, which is nearing com-

pletion, is T-shaped, two stories high, with flat roof, constructed of brick, with 6-inch terra-cotta interior partitions between main bearing walls. On each floor is a pleasant day room, 55 by 28 feet, with a large bay window at either end. To the rear, at right angles, leads a long corridor, with single bed rooms on each side, into a second day room 28 by 30 feet. Thence to the right and left extends a corridor, with single bed rooms similarly arranged. In all there are 76 single rooms, 8 by 10 feet. There are ample fireproof staircases, and the necessary lavatories and toilet and store rooms. In the basement are dining room and shower bath room.

The exterior is disappointing, not being in harmony with the architecture of other parts of the asylum, and not pleasing in itself. The original drawings, which received the approval of this Board, met both these requirements. In substituting a flat for a hip roof, and departing radically from the type of other buildings, an unfortunate mistake was made, which, in the opinion of the Board, might have been avoided by other permissible changes necessitated by reasons of economy. The change was made without the sanction of this Board, and it is the only instance, within its knowledge, where there has been failure to call its attention to material alterations in plans and specifications after approval. While realizing that the change was made by the trustees wholly on the ground of economy, the Board is of opinion that, under the law, it should have been informed and consulted.

#### *State Colony.*

This institution was established under the provisions of chapter 451 of the Acts of the Legislature of 1900.

The duty of selecting and purchasing a site was assigned to this Board, being fulfilled late in 1901. Thereupon trustees were appointed in December, and definitely assumed their duties on the first Wednesday in February, 1902. Dr. Joseph B. Howland, assistant superintendent at the State Hospital, was chosen superintendent, and took up his work April 1. Therefore an interval of only eighteen months has

elapsed since the formation of an organization necessary to active prosecution of planning and erecting buildings.

Immediate attention was given to enlarging and renovating one of the farmhouses, which has provided for employees and 10 patients for the past year. A large storehouse of wood, covered with corrugated iron, was next built beside the spur track put in by the Boston & Maine Railroad for the accommodation of the institution. Plans were rapidly matured for an administration unit, consisting of four two-story brick buildings, arranged in a quadrangle and separated by ample spaces.

Progress in the construction of these has been delayed somewhat by labor difficulties, but the wards for male patients and the domestic building are now closed in, and will be finished during the winter. Foundations are being laid for the women's wards and the administration building. Near by, to the rear, close to the side track, has been installed a central heating, electric lighting and power plant, which is now ready for use.

It is probable that 100 male patients can be transferred next spring from other institutions, and later in the year 100 women.

Plans for a farmsteading for 25 patients are now being prepared.

#### *Insane Wards, State Hospital.*

There were 109 admissions, 46 men, 47 women, 93 total, by transfer from the house department, 7 women and 1 man from other institutions, 8 women from boarding out. The daily average was 505, 9 in excess of the previous year.

The new building for 100 male patients, authorized by the Legislature of 1900 and practically completed a year ago, has not yet been occupied, but is expected to be about Jan. 1, 1904. A similar building for 100 women was provided for by an appropriation of the Legislature of 1902, plans for which have been matured and approved by the Board. It is earnestly hoped that construction will be pushed forward as rapidly as possible, on account of the urgent need of relief from overcrowding.



*Insane Criminals.*

The patients in institutions for the insane who are classed as criminals numbered at the end of the year 449 men, 16 women, 465 total, of whom 427 men were inmates of the Asylum for Insane Criminals, and 22 men, 16 women, 38 total, of other institutions.

*Asylum for Insane Criminals.*

The average number of patients was 441, being 23 more than the preceding year. The admissions were 79, an increase of 5. Twelve were received from the State Prison, 10 from the Massachusetts Reformatory, 19 from houses of correction, 32 from the prison department of the State Farm, and 6 were court cases.

Crimes against the person were committed in 9 cases, breaking and entering in 8, drunkenness in 10, vagrancy in 32.

Sixty-eight of the 79 admissions had never been previously in any institution for the insane.

Twenty-six, or 33 per cent., were foreign born, compared with 45 per cent. of admissions of ordinary insane. Thirty-six, or 46 per cent., were born in Massachusetts. Ten, or 13 per cent., claim to be married, compared with about 44 per cent. of the ordinary insane. Nearly all of the 32 vagrants had been insane for a long time, and insanity was probably the cause of their vagrancy. Eight, or 10 per cent., of the admissions recovered. Of the 38 patients discharged recovered since Oct. 1, 1898, 23, or 61 per cent., remained well and law-abiding, according to information obtained by the medical director by correspondence with friends.

A small ward, with east, south and west windows, practically a solarium, will be provided for tuberculous patients, in the new addition in process of erection.

## EPILEPTICS.

There were 519 male, 394 female, 913 total, epileptics under supervision Oct. 1, 1903. Two hundred and fourteen male, 208 female, 422 total, were inmates of the Hospital



for Epileptics; 73 male, 42 female, 115 total, in the insane hospitals; 108 male, 70 female, 178 total, in the insane asylums; 61 male, 32 female, 93 total, in the School for the Feeble-minded; 56 male, 37 female, 93 total, in the Hospital Cottages for Children; 1 male, 1 female, 2 total, in private institutions for the insane; 6 male, 2 female, 8 total, in Dr. Brown's Private Institution for Feeble-minded Youth; and 2 female boarded out. In addition to these there are about 100 epileptics in city and town almshouses and in private families under control of overseers of the poor.

*Hospital for Epileptics.*

The general statistics for the year are:—

	Insane.	Sane.	Totals.
Patients in hospital Oct. 1, 1902, . . . . .	235	142	377
Admitted within the year, . . . . .	29	100	129
Returned from visit, . . . . .	—	2	2
Returned from escape, . . . . .	—	1	1
Whole number of cases within the year, . . . . .	264	245	509
Discharged within the year, . . . . .	9	43	52
Viz.: as much improved, . . . . .	2	2	4
as improved, . . . . .	3	37	40
as not improved, . . . . .	4	4	8
Deaths, . . . . .	11	6	17
Visits, . . . . .	5	12	17
Escapes, . . . . .	—	1	1
Patients remaining Sept. 30, 1903, . . . . .	239	183	422
Viz.: State patients, . . . . .	52	46	98
town patients, . . . . .	181	118	299
private patients, . . . . .	6	19	25
Number of different persons within the year, . . . . .	264	241	505
Number of different persons admitted within the year, . . . . .	29	97	126
Daily average number of patients, . . . . .	238.27	171.26	409.53
Viz.: State patients, . . . . .	47.09	33.43	80.52
town patients, . . . . .	184.77	118.43	303.20
private patients, . . . . .	6.41	19.40	25.81

The daily average patient population was 409.5, compared with 322.6 the previous year. The number present October 1 was 422, against 377 a year ago. Five insane epileptics were transferred from other institutions, and 24 were directly committed by the courts. There were 100 voluntary admissions, being 35, or 54 per cent., in excess of the previous

year's record. This has resulted in some overcrowding, which has not seemed so excessive as to require the trustees to exercise their authority to restrict the reception of voluntary applicants.

This institution has been rapidly developed since its opening in 1898, with 200 beds available and 20 others projected by the renovation of Hyde cottage. The construction of four additional buildings for patients was carried forward as fast as possible, so that they were occupied, in 1902, by 120 inmates. A house for 40 female nurses was completed last year. A new dining room and kitchen building, boiler house, electric lighting plant and commodious laundry have also been provided. Two farms have been purchased, adding 420 acres of land and certain useful buildings.

A two-story brick house on the Plumbley farm, recently bought, is now being remodelled for the use of farm hands. A few hundred feet distant, on the hillside opposite, two one-story cottages are being constructed of wood. They will form a farmstead group for 60 patients.

Such activity has thrown much extra work upon the management, and necessarily delayed the completion of minor improvements, such as grading, permanent road building, setting out shrubs and trees, etc. However, a stage has now been reached when the trustees feel justified in pausing for a little to give such matters attention.

No recoveries have been reported, an expected result from the class of epileptics received, but improvement is observed in a great majority of cases. Of the 52 patients discharged last year, 4 were much improved, 40 improved, and only 8 not improved. There were 17 deaths, being only 4 per cent. of the average number and 3 per cent. of the whole number of persons treated.

Three women and 1 man were graduated from the training school for nurses. The course of study has been extended to three years.

#### DIPSOMANIACS AND INEBRIATES.

There were under supervision Oct. 1, 1903, 142 male inebriates in the Hospital for Dipsomania and Inebriates, and 1 man and 27 women of this class in the insane hospitals.

*Hospital for Dipsomaniacs and Inebriates.*

The general statistics for the year are : —

Persons in hospital Oct. 1, 1902, . . . . .	182
Admissions within the year, . . . . .	280
By commitment, . . . . .	219
By return from leave of absence of previous years, . . . . .	20
By return from elopement of previous years, . . . . .	40
By return from visit of previous years, . . . . .	1
<hr/>	
Whole number of cases within the year, . . . . .	462
Final discharges within the year, . . . . .	159
By death while in the house, . . . . .	9
By death while on leave of absence, . . . . .	1
By death while on visit, . . . . .	1
As insane, . . . . .	2
By time limit while in the house, . . . . .	21
By time limit while on leave of absence, . . . . .	8
By time limit while on elopement, . . . . .	10
As not to be benefited by further treatment while in house, . . . . .	106
As not to be benefited by further treatment while on visit, . . . . .	1
Patients absent, not finally discharged, . . . . .	161
On leave of absence, . . . . .	77
On elopement, . . . . .	69
On visit, . . . . .	15
Patients remaining in hospital Sept. 30, 1903, . . . . .	142
Supported as State patients, . . . . .	66
Supported as town patients, . . . . .	71
Supported as private patients, . . . . .	5
Number of different persons within the year, . . . . .	460
Persons committed, . . . . .	219
Daily average number of patients, . . . . .	139.05

There was a marked decrease in the average patient population for the year, which fell to 140, from 204 in 1902 and 243 in 1901. The trustees continued the vigorous exercise of their power of final discharge, dismissing 107 patients as not to be benefited by further treatment, 30 in excess of the previous year's record.

Commitments diminished to 219 from 315 in 1902, 391 in 1901 and 418 in 1900, resulting probably from a better

understanding of the purposes of the hospital and greater discrimination in the selection of cases. The average age was forty years at time of admission and twenty-two years at first attack. Forty-six, or 21 per cent., were fifty years of age or over; 175, or 80 per cent., were admitted for the first time; 37, or 17 per cent., for the second; 3 each for the third and fourth; and 1 for the fifth. One hundred and sixteen, or 57 per cent., were committed from Suffolk County.

During the year ending March 6, 1903, 217 patients were discharged from treatment. Inquiry made after July 12 showed that 53, or 24.4 per cent., were wholly abstinent; 34, or 15.6 per cent., were drinking less; and 104, or 48 per cent., were drinking as before. The period covered is too short to show conclusively the ultimate results of treatment. It is desirable to know, in as many cases as possible, the full history from the termination of treatment in the hospital to the latest date. An effort in this direction has been made during the past year. At the request of the superintendent, reports concerning the present condition of all "regularly discharged" patients since the opening of the hospital to Jan. 1, 1903, were made by city and town officials, except in the case of Boston, for which a former patient, deemed reliable, was employed for this service. The intervals since treatment varied from six months to nine years. Of 1,043 patients who completed the full course of treatment, 243, or 23 per cent., were reported abstinent or temperate; 206, or 20 per cent., improved; 594, or 57 per cent., unimproved, unknown or deceased.

These statistics confirm the belief that considerable good has been accomplished, but fail to reveal how many have become total abstainers, and how long they have been such.

A serious problem confronting the management relates to the prevention of escapes, which reached a total of 147 for the year, being 52 per cent. of all admissions, and involving 120 different patients, or 55 per cent. of the persons committed during the year. In the decade since the establishment of the hospital, 3,003 commitments have been made and 1,685 escapes have been effected, being 56 per cent. of

all commitments. There is reason to believe that the trustees appreciate the gravity of the situation, and are putting forth unusual effort and making some headway in its correction. Such a showing seems to demonstrate the inadequacy of methods hitherto adopted, and the necessity of effective custodial provision, so far as may be required, for the detention of patients who are suitable for treatment.

The stimulation of self-control of patients by granting parole privileges, although thus affording opportunity for escape, is commendable so far as effective; but the judgment of the superintendent, after study of the individual case, should afford reasonable assurance that the patient is both able and willing to comply with the conditions imposed.

The reduction in patient population, the expense entailed by an epidemic of small-pox, and payment for two years' supply of coal, have contributed to raise the per capita cost of maintenance. On the other hand, certain commendable economies have been instituted. The Boston office has been abolished, and a physical director has been secured at a moderate salary, and has become a resident officer. A treasurer has been appointed who is a resident of the town, and therefore near at hand for consultation, but he does not perform his duties at the hospital, nor keep his account books therein; therefore his accounts are not conveniently accessible for examination by supervising authorities, and a practice is continued which is objectionable, and does not pertain to any other State institution under the supervision of this Board.

#### THE FEEBLE-MINDED.

The feeble-minded under supervision Oct. 1, 1903, numbered 743 male, 506 female, 1,249 total. Four hundred and eighty-two male, 318 female, 800 total, were cared for in the School for the Feeble-minded; 11 male, 9 female, 20 total, in the Hospital Cottages for Children; 55 male, 13 female, 68 total, in Dr. Brown's Private Institution for Feeble-minded Youth; 170 male, 136 female, 306 total, in almshouses; 25 male, 30 female, 55 total, in private families under control of overseers of the poor.

*School for the Feeble-minded.*

The general statistics for the year are : —

	Males.	Females.	Totals.
Number present Oct. 1, 1902, . . . . .	475	301	776
Admitted within the year, . . . . .	55	42	97
Viz.: school cases, . . . . .	28	15	43
custodial cases, . . . . .	27	27	54
Whole number within the year, . . . . .	530	343	873
Discharged within the year, . . . . .	39	10	49
Deaths, . . . . .	9	15	24
Remaining Sept. 30, 1903, . . . . .	482	318	800
Viz.: State patients, . . . . .	—	—	150
town patients, . . . . .	—	—	321
private patients, . . . . .	—	—	47
Massachusetts school beneficiaries, . . . . .	—	—	228
New England beneficiaries, . . . . .	—	—	37
supported by invested funds, . . . . .	—	—	17
Daily average number, . . . . .	480	305	785
Number at the Templeton colony, . . . . .	132	—	132
Applications for admission during the year, . . . . .	—	—	269

The average number of inmates was 785, against 739 the preceding year. Ninety-seven, or 36 per cent., of the 269 applications for admission were accepted.

There is steady development of the institution according to the general policy formulated in 1902, according to which about 1,000 children will be provided for at Waltham, and an undetermined number at the Templeton colony. Already the administration building, the hospital, heating and electric lighting plants have been enlarged in a very satisfactory manner. Work is progressing on one new dormitory, and the contract has been awarded for another. One hundred and eighty patients will be cared for in them. Plans have been matured for a building for manual and industrial training, and for an addition to the bakery. A superintendent's house is projected.

At the Templeton colony the third farm group for 50 boys was opened early in the year. A fourth group has been authorized, but the tardiness of the Legislature in making the appropriation delayed work for the season. The superintendent describes the busy life of the boys, who had a happy summer at the colony, thus : —



The boys at the colony have had a busy and happy season. We had about forty acres under the plough. Under direction the boys have done the greater part of the preparation of the land, the planting, cultivation and harvesting of the various crops. They have done the most of the work connected with the care of the stock, the most of the milking, and nearly all of the hand mowing and the rest of the haying. Last fall they picked twelve hundred barrels of apples; this year they harvested fourteen hundred bushels of potatoes, and they picked and sent to the children at Waverley over one thousand boxes of blackberries. They have thoroughly cleaned about fifty acres of overgrown pastures, pulling out the stumps, bushes and stones, and turning it into first-class grazing land. They have also removed the large and numerous stones from about fifteen acres of land previously too stony for mowing or cultivation, but now made smooth and fertile.

The increase in the intelligence, good sense and manliness of these boys is very evident. Best of all, they are robust and healthy, and very happy and contented.

The parents and friends of many of these boys have visited them at the colony, and without exception have expressed pleasure and satisfaction at the content and well-being of the boys. We have reason for being well satisfied with the present condition of our farm colony.

Although great pains is taken to afford the children the best instruction in the schoolroom, the practical side of their education is never lost sight of. The ultimate aim is to make them useful in ordinary occupations. All of the boys receive definite instruction in farm work and ordinary manual occupations. They are taught to plant corn, weed onions, pick peas, gather apples, etc. They learn to hold a cultivator, to drive a horse, to use a pick and shovel. Perhaps the most elementary exercise in this practical course in manual training is to learn to pick up stones and put them in a wagon or in a pile.

We believe that, for the average feeble-minded boy, this carefully planned instruction in ordinary manual occupations, involving the accurate use of rather large groups of muscles, where the boy himself can see the useful result of his work, does more to develop sound judgment and good sense than any other kind of training. This sort of training also directly fits a boy to be really useful all through his future life.

Our observation leads to the conclusion that such training is equally applicable to the demented patients in our insane

hospitals and asylums. We believe such a course, persistently followed, would result in the greatest benefit to the patients themselves, and would return in productive labor all the additional cost required for instruction and supervision.

#### HOSPITAL COTTAGES FOR CHILDREN.

This is a private institution, for which the Governor appoints five trustees, in addition to those selected by the corporation. It is maintained from the income of private funds, donations, and the board of patients. State and town charges are received for \$3.25 per week, although the weekly cost of support for each is \$4.02. In consideration of this service, the State has from time to time appropriated money for buildings and structural improvements. It is subject to supervision by the Board of Insanity, to which it makes a financial statement, and furnishes such other information as may be required. The classes of children cared for are:—

(1) Children under fourteen years of age, suffering from epileptic or epileptiform seizures; (2) children suffering from other nervous disorders, not feeble-minded; (3) children with deformities, with disease of the hip, knee and other joints, spinal disease, infantile paralysis, and other affections where the disorder is likely to require a long residence in a hospital; (4) children needing operation or fitting of supports. In such cases they return to their homes as soon as the appliances are well fitted, usually in a few days, and are brought to the hospital at short intervals for observation.

The general statistics for the year are:—

Patients in house Oct. 1, 1902,	133
Admitted within the year,	51
Whole number of cases within the year,	184
Discharged within the year,	57
Viz.: as recovered,	6
as much improved,	22
as improved,	15
as not improved,	6
as not diseased,	1
Died,	7
Patients remaining Sept. 30, 1903,	127
Viz.: State patients,	31
town patients,	43
private patients,	53

Daily average number of patients, . . . . .	127
The largest number on any one day, . . . . .	133
The smallest number on any one day, . . . . .	123
Number of in-cases from opening of the hospital, . . . . .	947

Of the 51 patients admitted, 36, or 71 per cent., were epileptic; and of the 57 discharged, 32, or 56 per cent., were epileptic. Two epileptics recovered and 13 were much improved.

#### THE PRIVATE INSTITUTIONS FOR THE INSANE

are the McLean Hospital and fifteen licensed houses. The patients therein Oct. 1, 1903, numbered 91 men, 146 women, 237 total; 79 men, 94 women, 173 total, were in the McLean Hospital; 12 men, 52 women, 64 total, in the smaller institutions.

During the year the license of the late Lucius W. Baker, M.D., to care for the insane in "Riverview," Baldwinville, was reissued by the Governor to W. F. Robie, M.D. A similar license was granted to J. F. Edgerly, M.D., to care for the insane at his home in Newtonville.

#### *The McLean Hospital*

is a private, corporate institution, being a branch of the Massachusetts General Hospital. The general statistics for the calendar year 1902 are:—

	Males.	Females.	Totals.
Patients in the hospital Jan. 1, 1902, . . . . .	81	95	176
Admissions within the year, . . . . .	81	73	154
Whole number of <i>cases</i> within the year, . . . . .	162	168	330
Discharged within the year, . . . . .	75	74	149
Viz.: as recovered, . . . . .	17	26	43
as much improved, . . . . .	8	17	25
as improved, . . . . .	11	16	27
as unimproved, . . . . .	20	11	31
as not insane, . . . . .	3	1	4
Deaths, . . . . .	16	3	19
Patients remaining Dec. 31, 1902, supported as private patients, . . . . .	87	94	181
Number of different <i>persons</i> within the year, . . . . .	157	163	320
Number of different <i>persons</i> admitted, . . . . .	80	70	150
Number of different <i>persons</i> recovered, . . . . .	16	26	42
Daily average number of patients, . . . . .	83.27	92.35	175.62

The average number of patients during the year increased 10, to 175.6, in response to the great pressure for the reception of cases for first care and observation. The admissions almost equalled the full capacity of the hospital, showing the movement of population to be nearly twice as rapid as in the State hospitals.

Ninety-three, or 62 per cent., of the 150 persons admitted were regarded as curable; 95, or 63 per cent., had never before been inmates of an insane hospital.

The number of recoveries and their percentages in comparison with the preceding year and the average for two years in this hospital, in relation to corresponding numbers and percentages in all the institutions of the State, are:—

	PRESENT YEAR.		PREVIOUS YEAR.		TWO YEARS' AVERAGE.	
	McLean.	All Institutions.	McLean.	All Institutions.	McLean.	All Institutions.
Number, . . . . .	43	487	45	435	44	461
Percentage to:—						
All admissions exclusive of transfers.	28.29	17.47	29.80	16.04	29.04	16.75
Whole number of persons within the year.	13.44	4.29	14.11	4.04	13.77	4.16
Daily average number for the year.	24.48	5.57	27.06	5.21	25.77	5.39
All discharges, . . .	28.86	20.32	29.22	19.65	29.04	19.98
All discharges, exclusive of deaths.	33.08	31.54	35.43	30.17	34.25	30.85

The above comparison expresses certain facts which should not be accepted as a fair index of the relative efficiency of treatment in the two classes of institutions, inasmuch as the McLean Hospital selects its cases, and receives a very much larger proportion of curable forms of insanity; whereas the public institutions take whatever comes to them, and admit a very much less hopeful class.

Of the 42 persons recovered, 32 had never before been inmates of an insane hospital. The average duration of illness in cases recovered was 21 months; the average duration of residence in the hospital, 14.5 months.

There were 82 voluntary patients admitted, being 53 per cent. of all admissions. Five only subsequently required

regular commitment, 1 not being a proper patient to remain on the voluntary basis, and 4 demanding their discharge. More than a due proportion of recoveries were furnished by such patients. Forty-seven, or 26 per cent., of inmates remaining at the close of the year held this relation.

Steady advance has been made in clinical work, along the lines pursued during several years, in close association with the various laboratories, which afford unusual facilities for the fullest investigation of related problems. Special studies in hydrotherapy, in relation to blood pressure and certain forms of mental disease, have been continued, and an inquiry instituted with regard to disorders of digestion with reference to the treatment of certain conditions of malnutrition.

In the chemical laboratory metabolism experiments have been carried on, with results which excite the confident expectation that they will eventually be of practical value in the treatment and prevention of insanity.

#### THE SMALLER PRIVATE INSTITUTIONS.

There are fifteen small private institutions licensed to care for the insane. As a rule, they receive both sane and insane patients. Their admissions, discharges and numbers remaining at the beginning and end of the hospital year are shown in the following tabulations:—

##### *"Bournewood."*—Henry R. Stedman, M.D.

	SANE.		INSANE.		Totals.
	Men.	Women.	Men.	Women.	
Number Oct. 1, 1902, . . . .	1		4	8	13
Admitted during the year, . .	2	1	3	8	14
Discharged during the year, . .	1	1	4	9	15
Number Sept. 30, 1903, . . .	2		3	7	12

##### *"The Highlands."*—Frederick W. Russell, M.D.

Number Oct. 1, 1902, . . . .	2	1	5	5	13
Admitted during the year, . . .	10	3	1	4	18
Discharged during the year, . .	10	3	4	5	22
Number Sept. 30, 1903, . . . .	2	1	2	4	9

*"Channing Sanitarium." — Walter Channing, M.D.*

	SANE.		INSANE.		Totals.
	Men.	Women.	Men.	Women.	
Number Oct. 1, 1902, . . . .	2	13	-	11	26
Admitted during the year, . . .		10	-	5	15
Discharged during the year, . .		12		2	14
Number Sept. 30, 1903, . . . .	2	11	-	14	27

*Private Asylum. — Eben C. Norton, M.D.*

Number Oct. 1, 1902, . . . .	1	4	1	4	10
Admitted during the year, . . .	4	3	1	-	8
Discharged during the year, . .	3	6	1	1	11
Number Sept. 30, 1903, . . . .	2	1	1	3	7

*"Riverview." — Walter F. Robie, M.D.*

Number Oct. 1, 1902, . . . .		4	-	3	7
Admitted during the year, . . .	5	21			26
Discharged during the year, . .	4	18		-	22
Number Sept. 30, 1903, . . . .	1	7		3	11

*"Herbert Hall" — Merrick Bemis, M.D.*

Number Oct. 1, 1902, . . . .		-	1	12	13
Admitted during the year, . . .			2	12	14
Discharged during the year, . .			2	17	19
Number Sept. 30, 1903, . . . .		-	1	7	8

*"Newton Nervine." — N. Emmons Paine, M.D.*

Number Oct. 1, 1902, . . . .		6	5	6	17
Admitted during the year, . . .	6	17	7	2	32
Discharged during the year, . .	5	12	8	4	29
Number Sept. 30, 1903, . . . .	1	11	4	4	20

*"Locust Grove Asylum." — Miss Alice R. Cooke.*

Number Oct. 1, 1902, . . . .		-		2	2
Admitted during the year, . . .		2			2
Discharged during the year, . .		1			1
Number Sept. 30, 1903, . . . .	-	1		2	3



*"Cutter Retreat."—William F. Heald, M.D.*

	SANE.		INSANE.		Totals.
	Men.	Women.	Men.	Women.	
Number Oct. 1, 1902, . . . .	4	2	-	2	8
Admitted during the year, . . .	3	1		1	5
Discharged during the year, . . .	3	1	-	1	5
Number Sept. 30, 1903, . . . .	4	2	-	2	8

*"Dr. Ring's Sanatorium."—Allan Mott Ring, M.D.*

Number Oct. 1, 1902, . . . .	5	12	-	-	17
Admitted during the year, . . .	31	63	-		94
Discharged during the year, . . .	34	61			95
Number Sept. 30, 1903, . . . .	2	14	-		16

*"Framingham Nervine."—Ellen L. Keith, M.D.*

Number Oct. 1, 1902, . . . .	1	11	-	1	13
Admitted during the year, . . .		28	-	1	29
Discharged during the year, . . .	1	27			28
Number Sept. 30, 1903, . . . .	-	12		2	14

*"Wellesley Nervine."—Edward H. Wiswall, M.D.*

Number Oct. 1, 1902, . . . .	2	3		2	7
Admitted during the year, . . .	10	9	1	5	25
Discharged during the year, . . .	10	5	-	3	18
Number Sept. 30, 1903, . . . .	2	7	1	4	14

*"The Blue Hills Sanitarium."—J. Frank Perry, M.D.*

Number Oct. 1, 1902, . . . .	1	2	2	-	5
Admitted during the year, . . .	37	5	1	-	43
Discharged during the year, . . .	35	5	3		43
Number Sept. 30, 1903, . . . .	3	2	-		5

*Private Hospital.—J. F. Edgerly, M.D.*

Number Oct. 1, 1902, . . . .	-	-	-		-
Admitted during the year, . . .	2	2			4
Discharged during the year, . . .	2	1			3
Number Sept. 30, 1903, . . . .		1			1

*Total, Smaller Private Institutions.*

	SANE.		INSANE.		Totals.
	Men.	Women.	Men.	Women.	
Number Oct. 1, 1902, . . . .	19	58	18	56	151
Admitted during the year, . . .	110	165	16	38	329
Discharged during the year, . .	108	153	22	42	325
Number Sept. 30, 1903, . . . .	21	70	12	52	155

Simeon O. Pilling, M.D., Newburyport, had no patients during the year.

## FAMILY CARE OF THE INSANE.

The general statistics for the year are : —

	Men.	Women.	Totals.
Remaining Sept. 30, 1902, . . . . .	10	114	124
Since admitted, . . . . .	3	75	78
Whole number of cases within the year, . .	13	189	202
Discharged, viz.: —			
To care of friends, viz.: —			
Capable of self-support, . . . . .	—	1	1
Requiring further care, . . . . .	—	1	1
To institutions, viz.: —			
Unsuitable, . . . . .	—	17	17
Temporarily, . . . . .	—	11	11
Ill, . . . . .	—	9	9
Eloped, . . . . .	—	1	1
Died, . . . . .	1	2	3
Remaining Sept. 30, 1903, . . . . .	12	147	159
Viz.: State patients, . . . . .	6	34	40
town patients, . . . . .	2	101	103
private patients, . . . . .	1	7	8
self-supporting patients, . . . . .	1	1	2
patients living with friends without public aid, . . . . .	2	4	6
Number of different persons within the year, . .	13	181	194
Number of different persons admitted, . . . .	3	73	76
Daily average number of patients, . . . . .	11	132.9	143.9

The daily average number of public charges was 128.58; of former public charges now boarding without public aid, 6; both, 134.58.

	Amount.	WEEKLY RATE.	
		Public Charges.	Public Charges and Former Public Charges.
Total expenditure for board, . . .	\$19,958 83	\$2.9850	\$2.8520
Total cost of extra clothing, outside of board rate, . . . . .	103 65	.0155	.0148
Total cost of medical attendance, extra care, burial expenses, etc., . .	202 48	.0303	.0289
Total cost of supervision, . . . .	2,785 88	.4167	.3981
Aggregate, . . . . .	\$23,050 84	\$3.4475	\$3.2938

The average number of patients in family care was 144, a gain of 26 for the year; the number remaining October 1, 159, a gain of 35. Seventy-eight cases, 76 persons, were admitted, compared with 42 cases and persons during the previous year. Sixty-three persons were admitted for the first time, 13 for the second, 1 for the third, and 1 for the fourth.

#### *First Admissions.*

Of the sixty-three such admissions, 7 had been in institutions continuously for less than a year; 12, one to two years; 8, two to three years; 5, three to four years; 3, four to five years; 6, five to six years; 3, seven to eight years; 4, eight to nine years; 3, nine to ten years; 2, ten to eleven years; 2, eleven to twelve years; 2, thirteen to fourteen years; 3, fifteen to twenty years; 2, twenty to twenty-five years; 1, over twenty-five years; such average residence being six years, fifteen days. Of the 19 persons so residing less than two years, 2 had previously been insane inmates of institutions once; 1, twice.

Of the 63 persons first admitted, 18 were distinctly benefited, both mentally and physically; 14 made decided physical improvement; 16 remained unchanged; 15 were returned to institutions, of whom 2 were readmitted within the year, 3 required only temporary hospital treatment, 2

suffered gradual physical failure during entire boarding-out residence, and 8 proved unsuitable. One patient eloped. She was traced, found to be self-supporting, and was not returned.

#### *Readmissions.*

Of the 15 such cases, 13 were readmitted for the first time, 1 the second, 1 the third. Nine had remained in institutions after return from boarding less than a year; 3, one to two years; 1, three to four years; 1, eight to nine years; 1, fifteen to sixteen years, the average duration being two years, four months.

Six of them had been returned to institutions as unsuitable, after boarding an average of two years, two months; 4 as ill, after boarding an average of seven years; 5 temporarily, after boarding an average of ten months.

#### *Discharges.*

Two cases were discharged to friends; 1 after boarding ten months, 1 after one year, four months. One had been continuously an inmate of institutions prior to boarding out, four years, four months; 1, three years; such average residence being three years, eight months. One was capable of self-support, 1 required further care.

Thirty-seven cases were discharged to institutions, 17 as unsuitable, 9 physically ill, 11 temporarily. Of the 17 so discharged as unsuitable, 10 had boarded less than a year; 4, one to two years; 1, two to three years; 1, three to four years; 1, five to six years, the average duration being one year, one month. Fourteen were tried in one family, 2 in two, 1 in three.

Of the 9 so discharged as ill, 2 had boarded less than one year; 1, one to two years; 1, three to four years; 3, twelve to thirteen years; 1, thirteen to fourteen years; 1, fifteen to sixteen years, the average duration being seven years, nine months. Six remained in institutions; 3 were readmitted to family care, after an average residence of four months; 2 died in institutions after an average period of eleven days.

Of the 11 so discharged temporarily, 10 had boarded less than a year; 1, one to two years. Five were readmitted to family care within the year.

Three patients died, 1 of cerebral hemorrhage; 1 of tuberculosis, 1 of measles. One had boarded thirteen years, two months; 1, six years, ten months; 1, five years, two months; the average duration being eight years, five months. In addition, 3 died in institutions within three months after their return.

There was no accident of a serious nature during the year.

#### *Towns.*

The patients were distributed in 44 towns, a gain of 6, as follows: Ashland, 4; Ashfield, 3; Barnstable, 1; Beverly, 4; Boston, 1; Brookfield, 1; Chelsea, 1; Cummington, 1; Danvers, 1; Dover, 3; Easthampton, 2; Easton, 5; Everett, 1; Goshen, 2; Greenfield, 1; Greenwich, 1; Hawley, 2; Holliston, 4; Hopkinton, 2; Malden, 2; Melrose, 3; Newton, 2; Northborough, 3; North Brookfield, 8; Norton, 2; Raynham, 3; Royalston, 5; Shelburne, 1; Shrewsbury, 1; Southborough, 2; Taunton, 16; Tewksbury, 31; Tyngsborough, 1; Wakefield, 3; Walpole, 9; Westborough, 3; Whitman, 1; Williamsburg, 9; Woburn, 9; Worcester, 1; Dexter, N. H., 1; Providence, R. I., 1; Petersburg Junction, N. Y., 1.

#### *Families.*

The 159 patients remaining Sept. 30, 1903, were in 88 families, a gain of 10. One family had 5 patients; 11 families, 4 each; 10 families, 3; 14 families, 2; and 52 families, 1. Six were with relatives, 1 with interested friends, 1 in a family in each case.

Thirty-eight new families applied for patients, 31 being approved, 7 rejected. There is no present lack of good families. Five families became unsuitable, and patients were withdrawn.

## REIMBURSEMENTS FOR THE SUPPORT

of patients in institutions have been collected and paid into the State treasury as follows : —

	1903.	1902.
Worcester Hospital, . . . . .	\$182 75	\$127 00
Taunton Hospital, . . . . .	1,363 47	129 56
Northampton Hospital, . . . . .	244 46	—
Danvers Hospital, . . . . .	711 10	572 00
Westborough Hospital, . . . . .	205 38	248 82
Worcester Asylum, . . . . .	182 86	—
Medfield Asylum, . . . . .	179 96	51 71
Totals, . . . . .	\$3,069 98	\$1,129 09

Investigation as to private resources available for maintenance of State charges resulted in making 11 cases private, 1 reimbursing at the rate of \$4 per week, 3 at \$3.50, 5 at \$3.25, 2 at \$2.50, and 3 at \$2. On October 1 reimbursement was being made for 17 patients.

## DEPORTATION.

Cases coming under consideration with reference to deportation were disposed according to the following tabulation : —

	Men.	Women.	Totals.
Cases pending Oct 1, 1902, . . . . .	48	38	86
Since reported by State Board of Charity : —			
Viz · October, . . . . .	19	9	28
November, . . . . .	16	20	36
December, . . . . .	25	11	36
January, . . . . .	11	19	30
February, . . . . .	18	12	30
March, . . . . .	17	9	26
April, . . . . .	18	7	25
May, . . . . .	20	13	33
June, . . . . .	24	10	34
July, . . . . .	46	14	60
August, . . . . .	—	—	—
September, . . . . .	43	22	65
Total cases under investigation, . . . . .	305	184	489



	Men.	Women.	Totals.
Deported, . . . . .	78	49	127
Viz.: to other States, . . . . .	25	30	45
to other countries, . . . . .	53	29	82
Discharged to care of friends, . . . . .	24	18	42
Made private patients, . . . . .	3	5	8
Withdrawn, . . . . .	—	2	2
Died, . . . . .	9	6	15
Dropped from further consideration, . . . . .	139	73	212
Viz.: as not practicable to deport, . . . . .	117	60	177
as having no place to go, . . . . .	22	13	35
Total cases closed, . . . . .	253	153	406
Cases pending Oct. 1, 1903, . . . . .	52	31	83
Viz.: on elopement, . . . . .	6	2	8
under sentence, . . . . .	3	—	3
on leave of absence from Hospital for Dipsomaniacs and Inebriates, . . . . .	1	—	1
not fit to leave the hospital, . . . . .	11	11	22
under investigation, . . . . .	31	18	49

Since Oct. 1, 1898, 617 persons have been deported. Of these, 11 reappeared once, 5 twice. Of those reappearing, 5 were in institutions on Oct. 1, 1903.



INSANE AND FEEBLE-MINDED UNDER SUPERVISION OF LOCAL  
AUTHORITIES.

Agents of the Board have visited during the year 99 city and town almshouses and 43 private families in which insane or feeble-minded persons are cared for under supervision of overseers of the poor.

Nine persons were found who were not receiving suitable treatment, and, in compliance with section 51, chapter 87 of the Revised Laws, they were committed, at the request of the Board, 6 to an insane hospital, 1 to the School for the Feeble-minded and 2 to the Hospital for Epileptics.

It is considered that a person is not receiving suitable treatment in an almshouse or private family when his condition is such as to require frequent or continuous seclusion in a room or mechanical restraint; when he is so noisy as to disturb other inmates, or so untidy in personal habits that his person and room are not kept in a proper state of cleanliness.

In the opinion of overseers of the poor, as expressed in their reports, on March 31, 1903, 776 inmates of almshouses (328 men, 448 women) were insane; 306 inmates (170 men, 136 women) were feeble-minded. Twenty-three boarders in private families (9 men, 14 women) were insane; 55 boarders (25 men, 30 women) were feeble-minded. Total insane, 799; 337 men, 462 women. Total feeble-minded, 361; 195 men, 166 women. Total insane and feeble-minded, 1,160; 532 men, 628 women.

In view of the indefiniteness of any such classification under present conditions, and the prospective removal of all insane to State institutions, it is deemed unnecessary to continue the enumeration of insane and feeble-minded persons in each almshouse or boarded in families by each city and town.

Respectfully submitted,

GEORGE F. JELLY,  
CHARLES R. CODMAN,  
ALBERT L. HARWOOD,  
JAMES B. AYER,  
SEWARD W. JONES,

MARCH 23, 1904.

*State Board of Insanity.*



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## APPENDIX.

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FINANCIAL

AND

STATISTICAL TABLES.

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## VALUATION OF STATE INSTITUTIONS.

## FINANCES OF STATE INSTITUTIONS.

TABLE I. — *Valuation of State Institutions, Sept. 30, 1903.*

INSTITUTIONS.	REAL ESTATE.				PERSONAL.		Total Valuation, — Real and Personal.	Increase for the Year.
	Number of Acres of Land.	Value of Land.	Value of Buildings.	Total Valuation.	Increase for the Year.	Valuation.		
I. — Insane: —								
Worcester Insane Hospital, . . .	411.54	\$156,000 00	\$1,286,048 00	\$1,442,048 00	\$45,000 00	\$199,529 93	\$1,641,577 93	\$59,189 47
Taunton Insane Hospital, . . .	272.00	47,600 00	457,000 00	504,600 00	—	137,871 57	642,471 57	8,130 39
Northampton Insane Hospital, . . .	505.00	53,400 00	597,750 00	651,150 00	67,000 00	94,955 92	746,145 92	71,466 70
Danvers Insane Hospital, . . .	497.00	43,025 00	1,498,749 78	1,541,774 78	1,783 80	191,350 79	1,733,125 57	8,453 51
Westborough Insane Hospital, . . .	543.00	43,050 00	525,925 00	568,975 00	22,182 89	119,617 95	688,592 95	29,617 67
Worcester Insane Asylum, . . .	749.39	207,395 00	237,485 00	504,880 00	22,800 00	55,962 30	560,842 30	34,476 12
Medfield Insane Asylum, . . .	456.00	24,035 85	1,130,870 52	1,154,906 37	43,344 96	168,771 00	1,323,677 37	64,404 03
State Colony, . . .	1,541.51	25,000 00	40,550 60	65,550 60	—	7,874 47	73,425 07	—
State Hospital, * . . .	493.00	49,305 00	759,200 00	838,505 00	10,925 00	272,804 60	1,111,309 60	42,329 73
State Farm, * . . .	1,033.75	55,385 00	710,800 00	766,185 00	9,557 50	245,014 37	1,011,199 37	33,915 65
Hospital for Epileptics, . . .	464.00	30,963 00	288,355 01	319,318 01	41,597 04	124,656 23	443,974 24	64,179 59
Totals, . . .	6,966.19	\$735,158 85	\$7,622,733 91	\$8,357,892 76	\$264,190 99	\$1,618,449 13	\$9,976,341 89	\$416,162 92
II. — Other classes: —								
Hospital for Dipso-manics, . . .	106.00	\$16,500 00	\$164,200 00	\$180,700 00	\$600 00	\$37,129 82	\$217,829 82	\$3,255 86
School for the Feeble-minded, . .	1,818.00	69,000 00	355,141 00	424,141 00	31,500 00	82,960 99	507,101 99	54,290 86
Hospital Cottages for Children, . .	382.62	13,830 00	131,040 00	144,870 00	1,305 00†	9,495 00	154,365 00	11,900 00
Totals, . . .	2,306.62	\$99,330 00	\$650,381 00	\$749,711 00	\$30,795 00	\$129,585 81	\$879,296 81	\$55,946 52
Aggregates, . . .	9,272.81	\$834,488 85	\$8,273,114 91	\$9,107,603 76	\$294,985 99	\$1,748,034 94	\$10,855,638 70	\$472,109 44

\* Includes all departments.

† Decrease.

## VALUATION OF STATE INSTITUTIONS.

TABLE II. — *Classified Valuation and Increase of Personal Property at the State Institutions, Sept. 30, 1903.*

INSTITUTIONS.	Provisions and Groceries.	Clothing and Clothing Material.	Furnishings.	HEAT, LIGHT AND POWER.		FARM, STABLE AND GROUNDS.			
				Fuel.	Machinery and Mechanical Fixtures.	Live Stock on the Farm.	Produce of the Farm on Hand.	Carriages and Agricultural Implements.	Totals.
I. — Insane:—									
Worcester Insane Hospital, . . . .	\$4,015 45	\$5,106 96	\$92,033 50	\$7,550 00	\$35,456 05	\$14,530 50	\$20,450 48	\$7,431 90	\$42,412 88
Taunton Insane Hospital, . . . .	2,593 18	6,808 04	57,707 96	4,200 00	37,000 00	10,226 00	6,118 75	8,802 64	25,147 39
Northampton Insane Hospital, . . . .	5,840 70	4,069 23	35,865 46	3,872 80	17,750 00	11,094 94	11,441 50	3,200 00	25,736 44
Danvers Insane Hospital, . . . .	4,566 36	6,605 76	68,985 45	7,824 00	62,351 86	13,086 50	11,865 00	7,751 67	32,703 17
Westborough Insane Hospital, . . . .	3,678 40	3,137 14	47,258 13	5,900 00	28,268 10	11,929 50	8,583 30	5,802 77	26,315 57
Worcester Insane Asylum, . . . .	1,401 17	5,444 51	24,000 00	4,120 00	11,036 00	2,530 50	3,920 48	1,450 00	7,900 98
Medfield Insane Asylum, . . . .	2,352 96	11,381 05	83,998 57	14,650 00	33,445 57	11,374 00	4,445 25	5,212 95	21,032 20
State Colony for the Insane, . . . .	46 60	63 56	2,151 89	175 75	—	2,034 00	1,148 67	2,254 00	5,436 67
State Hospital,* . . . .	4,348 31	10,930 99	98,597 81	20,779 68	99,760 25	13,434 20	11,031 83	8,346 82	33,312 85
State Farm,* . . . .	5,503 32	29,723 93	64,970 11	9,447 90	82,465 00	14,644 30	24,935 30	12,190 00	51,769 60
Hospital for Epileptics, . . . .	1,336 50	5,653 11	39,595 10	9,738 50	39,136 33	7,299 00	9,351 65	3,747 85	20,398 50
Totals, . . . .	\$35,682 95	\$83,924 28	\$615,163 93	\$88,238 63	\$446,609 16	\$112,183 44	\$113,292 21	\$66,190 60	\$291,666 25
II. — Other classes:—									
Hospital for Dipsonmatics, . . . .	\$920 15	\$914 15	\$14,846 98	\$4,101 25	\$1,647 28	\$5,774 00	\$3,122 05	\$2,791 50	\$11,687 55
School for the Feeble-minded, . . . .	991 79	3,960 18	44,626 83	3,330 00	9,191 73	6,436 50	3,170 00	5,149 28	14,755 78
Hospital Cottages for Children, . . . .	200 00	300 00	5,000 00	450 00	800 00	1,300 00	300 00	620 00	2,220 00
Totals, . . . .	\$2,111 94	\$5,174 33	\$64,473 81	\$7,881 25	\$11,639 01	\$13,510 50	\$6,592 05	\$8,560 78	\$28,663 33
Aggregates, . . . .	\$37,794 89	\$94,098 61	\$679,637 74	\$96,139 88	\$458,308 17	\$125,693 94	\$119,884 26	\$74,751 38	\$320,329 58

\* Includes all departments.

## VALUATION OF STATE INSTITUTIONS.

TABLE II. — *Classified Valuation of Personal Property, etc. — Concluded.*

INSTITUTIONS.	MISCELLANEOUS.			TOTAL VALUATION OF PERSONAL PROPERTY.		
	Drugs and Medicines.	Library	Other Supplies.	Amount.	Increase.	Private Funds.
I. — Insane :—						
Worcester Insane Hospital, . . . . .	\$389 04	\$5,653 23	\$6,912 77	\$199,529 93	\$14,189 47	\$8,378 23
Taunton Insane Hospital, . . . . .	600 00	900 00	2,915 00	137,871 57	8,130 39	-
Northampton Insane Hospital, . . . . .	550 00	1,250 00	61 29	94,995 92	4,466 70	-
Danvers Insane Hospital, . . . . .	2,486 72	1,645 00	4,182 52	191,350 79	6,669 71	-
Westborough Insane Hospital, . . . . .	783 60	1,463 90	2,808 11	119,617 95	7,434 98	-
Worcester Insane Asylum, . . . . .	325 00	700 00	1,034 64	55,962 30	11,676 12	-
Medfield Insane Asylum, . . . . .	600 00	728 72	581 93	168,771 00	21,059 13	-
State Colony for the Insane, . . . . .	-	-	-	7,874 47	-	-
State Hospital,* . . . . .	2,374 71	3,200 00	-	272,804 60	31,404 73	-
State Farm,* . . . . .	774 51	360 00	-	245,014 37	24,338 15	-
Hospital for Epileptics, . . . . .	3,706 50	650 00	4,441 69	124,656 23	22,582 55	-
Totals, . . . . .	\$12,590 08	\$16,555 90	\$22,937 95	\$1,618,449 13	\$151,971 93	\$8,378 23
II. — Other classes :—						
Hospital for Dipsomaniacs, . . . . .	\$809 40	\$764 20	\$1,438 86	\$37,129 82	\$2,655 66	-
School for the Feeble-minded, . . . . .	495 75	1,245 00	4,363 93	82,960 99	22,790 86	\$70,412 01
Hospital Cottages for Children, . . . . .	300 00	225 00	-	9,495 00	295 00†	52,073 64
Totals, . . . . .	\$1,605 15	\$2,234 20	\$5,802 79	\$129,585 81	\$25,151 52	\$122,485 65
Aggregates, . . . . .	\$14,195 23	\$18,790 10	\$28,740 74	\$1,748,034 94	\$177,123 45	\$130,863 88

\* Includes all departments.

† Decrease.

## SPECIAL APPROPRIATIONS.

TABLE III. — General Statement as to Special Appropriations, exclusive of Maintenance, on Oct. 1, 1903.

INSTITUTIONS.		Whole Amount.	EXPENDED DURING THE HOSPITAL YEAR.				
			NEW BUILDINGS.				Totals.
			Land.	Patients and Nurses.	Farm, Stable and Grounds.	All Other Purposes.	
I. — Insane : —							
Worcester Insane Hospital,	.	\$106,300 00	—	\$25,889 51	—	—	\$25,889 51
Taunton Insane Hospital,	.	138,525 00	\$300 00	14,530 45	\$8,746 90	\$3,529 06	26,806 41
Northampton Insane Hospital,	.	149,000 00	—	25,462 46	12,368 86	—	37,831 32
Danvers Insane Hospital,	.	155,300 00	1,500 00	28,226 10	1,163 49	1,727 80	31,117 39
Westborough Insane Hospital,	.	229,700 00	—	48,837 53	—	—	48,837 53
Worcester Insane Asylum,	.	115,500 00	22,055 75	1,312 00	—	—	1,312 00
Medfield Insane Asylum,	.	349,800 00	—	64,415 96	507 75	—	64,923 71
State Colony,	.	275,950 00	750 00	30,577 20	—	4,097 90	34,675 10
State Hospital,	.	196,400 00	—	11,239 87	—	10,166 20	21,406 07
State Farm,	.	234,000 00	3,269 00	8,787 22	—	9,179 65	17,966 87
Hospital for Epileptics,	.	118,500 00	10,000 00	18,765 52	—	20,251 38	39,016 90
Totals,	.	\$2,068,975 00	\$37,874 75	\$278,043 82	\$22,787 00	\$48,951 99	\$349,782 81
II. — Other classes : —							
Hospital for Dipso-manics,	.	—	—	—	—	—	—
School for the Feeble-minded,	.	\$252,500 00	\$945 00	—	—	\$29,043 78	\$29,043 78
Hospital Cottages for Children,	.	—	—	—	—	—	—
Totals,	.	\$252,500 00	\$945 00	—	—	\$29,043 78	\$29,043 78
Aggregates,	.	\$2,321,475 00	\$38,819 75	\$278,043 82	\$22,787 00	\$77,995 77	\$378,826 59

## SPECIAL APPROPRIATIONS.

TABLE III. — *General Statement as to Special Appropriations, exclusive of Maintenance, on Oct. 1, 1903 — Concluded.*

INSTITUTIONS.	EXPENDED DURING THE HOSPITAL YEAR — Con.				Expended to Date.	Balance at End of the Year.
	Repairs and Improvements.	Furnishing and Equippling.	All Other Purposes.	Totals.		
I. — Insane : —						
Worcester Insane Hospital,	\$3,424 29	\$1,641 57	-	\$39,956 37	\$46,238 22	\$60,011 78
Taunton Insane Hospital,	3,219 99	-	-	30,326 40	63,595 64	74,929 36
Northampton Insane Hospital,	458 16	-	-	38,289 48	71,964 28	77,035 72
Danvers Insane Hospital,	3,743 55	56 70	-	36,417 64	62,738 04	92,561 96
Westborough Insane Hospital,	16,332 67	3,772 20	-	68,942 40	125,419 73	104,280 27
Worcester Insane Asylum,	2,916 59	11,942 93	-	38,227 27	40,927 27	74,572 73
Medfield Insane Asylum,	10,225 37	30 00	-	75,179 08	137,403 52	212,396 48
State Colony,	-	800 75	\$4,182 02*	40,407 87	54,325 66	221,924 34
State Hospital,†	11,543 80	2,250 24	-	35,200 11	111,424 01	84,975 99
State Farm,†	3,073 03	3,351 22	-	27,660 12	117,494 12	116,505 88
Hospital for Epileptics,	1,939 94	-	-	50,956 84	78,065 70	40,434 30
Totals, . . . . .	\$56,877 39	\$23,845 61	\$4,182 02	\$472,562 58	\$909,646 19	\$1,159,328 81
II. — Other classes : —						
Hospital for Dipso-maniacs,	-	-	-	-	-	-
School for the Feeble-minded,	-	-	-	\$29,988 78	\$109,679 82	\$142,820 18
Hospital Cottages for Children,	-	-	-	-	-	-
Totals, . . . . .	-	-	-	\$29,988 78	\$109,679 82	\$142,820 18
Aggregates, . . . . .	\$56,877 39	\$23,845 61	\$4,182 02	\$502,551 36	\$1,019,326 01	\$1,302,148 99

\* Maintenance.

† Includes all departments.



## RECEIPTS OF STATE INSTITUTIONS.

TABLE IV. — Receipts available for Maintenance of the State Institutions for the Year ending Sept. 30, 1903.

INSTITUTIONS.	Cash in State Treasury Oct. 1, 1902.	Maintenance Appropriations.	Reimburse- ments paid to State Treasurer.*	RECEIPTS PAID TO STATE TREASURER.		
				From Cities and Towns.	From Individuals.	Soldiers' Relief.
I. — Insane : —						
Worcester Insane Hospital,	\$29,827 44	\$59,254 88	\$1,230 16	\$114,924 39	\$51,006 12	\$2,551 52
Taunton Insane Hospital,	12,476 77	45,630 00	1,879 18	110,656 30	17,601 95	2,372 54
Northampton Insane Hospital,		22,990 00†	274 10	77,718 06	27,908 65	877 84
Danvers Insane Hospital,	69,184 16†	43,074 46†	746 10	143,905 59	30,755 02	2,065 26
Westborough Insane Hospital,	10,953 59†	51,231 86†	650 31	74,361 37	37,913 01	980 99
Worcester Insane Asylum,	17,678 02	35,046 88	182 86	64,400 13	1,356 22	789 73
Medfield Insane Asylum,	59,739 85	48,547 92†	165 57	157,898 90	656 30	1,600 80
State Colony,		13,600 00	—	256 40	—	—
State Hospital,§		217,963 95	—	—	—	—
State Farm,§		183,915 18†	—	—	—	—
Hospital for Epileptics,	10,994 56	41,679 43†	—	64,238 62	7,704 53	339 39
Totals,	\$200,854 39	\$762,834 56	\$5,028 28	\$798,419 76	\$174,902 30	\$11,378 07
II. — Other classes : —						
Hospital for Dipso-maniacs,	\$19,638 09	\$17,910 50	—	\$26,472 66	\$1,079 83	—
School for the Feeble-minded,	24,848 20†	67,769 00†	—	45,823 99	14,983 24**	—
Hospital Cottages for Children,	4,315 40	6,719 52††	—	6,476 96	10,542 19	—
Totals,	\$43,801 69	\$91,399 02	—	\$78,773 60	\$26,615 26	—
Aggregates,	\$249,656 08	\$854,233 58	\$5,028 28	\$877,193 36	\$201,517 66	\$11,378 07

\* From individuals and Immigration Commissioners.

† Includes expense of printing annual report.

‡ October, 1902, balance plus difference September, 1902 and 1903, bills.

§ Includes all departments.

|| October, 1902, balance minus difference September, 1902 and 1903, bills.

†† Includes \$250, appropriation for printing annual report.

\*\* Includes New England beneficiaries.

†† Support of State charges for the official year.

## RECEIPTS OF STATE INSTITUTIONS.

TABLE IV. — Receipts available for Maintenance of the State Institutions, etc. — Concluded.

INSTITUTIONS.	RECEIPTS PAID TO STATE TREASURER — CON.				Total Maintenance Funds in State Treasury.	Other Receipts on Account of the Institution.
	Sales, Labor, Rent, Interest on Bank Account.	All Other Sources.	Total Payments to State Treasurer.			
I. — Insane : —						
Worcester Insane Hospital,	\$6,981 45	\$3,668 07	\$179,131 55		\$269,444 03	\$262 76
Taunton Insane Hospital,	5,699 43	..	136,340 22		196,326 17	15 60
Northampton Insane Hospital,	2,377 21	..	108,681 76		131,945 86	..
Danvers Insane Hospital,	5,984 00	250 25	182,960 12		285,964 84	172 14
Westborough Insane Hospital,	2,014 65	376 90	115,646 92		178,352 68	62 21
Worcester Insane Asylum,	865 43	325 86	67,737 37		120,645 13	..
Medfield Insane Asylum,	7,811 52	15 58	167,983 60		276,436 94	..
State Colony,	464 73	..	721 13		14,321 13	..
State Hospital,*	..	..	..		217,963 95	1,575 10†
State Farm,*	..	..	..		183,915 18	3,818 65†
Hospital for Epileptics, . . .	1,322 09	..	63,654 63		116,228 62	56 18
Totals, . . . . .	\$33,520 51	\$4,636 66	\$1,022,857 30		\$1,991,574 53	\$5,962 54
II. — Other classes : —						
Hospital for Dipso-maniacs,	\$3,636 58†	..	\$31,189 06		\$68,737 65	\$32 50
School for the Feeble-minded,	1,346 19	\$21,077 47	83,240 89		175,858 09	..
Hospital Cottages for Children,	2,070 94	5,021 67	24,111 76		34,146 68	..
Totals, . . . . .	\$7,053 71	\$26,099 14	\$138,541 71		\$278,742 42	\$32 50
Aggregates, . . . . .	\$40,574 22	\$30,735 80	\$1,116,399 01		\$2,270,316 95	\$5,995 04

\* Includes all departments.

† Receipts from sales.

‡ Includes \$3,077.91, income from industries.

## EXPENDITURES OF STATE INSTITUTIONS.

TABLE V.—Expenditures for Maintenance of the State Institutions for the Year ending Sept. 30, 1903.

INSTITUTIONS.	Salaries, Wages and Labor on Pay Roll.	Food.	Clothing and Clothing Material.	Furnishings.	Heat, Light and Power.	Repairs and Improvements.	Farm, Stable and Grounds.	Miscellaneous.
<b>I.—Insane:—</b>								
Worcester Insane Hospital, . . .	\$79,821 82	\$50,575 51	\$10,255 25	\$8,772 81	\$29,253 65	\$11,715 03	\$18,516 53	\$15,883 17
Taunton Insane Hospital, . . .	67,078 12	50,743 93	4,877 36	8,580 74	14,793 67	5,125 11	18,576 51	12,405 14
Northampton Insane Hospital, . . .	43,709 18	33,156 45	4,706 58	4,455 19	12,049 23	7,379 19	9,533 62	9,115 54
Dauvers Insane Hospital, . . .	76,160 63	54,398 03	6,748 95	9,101 76	23,569 04	9,912 72	20,207 05	16,559 74
Westborough Insane Hospital, . . .	60,239 41	40,923 00	2,766 45	4,723 54	17,885 30	5,955 32	9,446 36	11,732 38
Worcester Insane Asylum, . . .	33,772 01	31,741 13	5,725 33	4,477 21	12,930 79	3,245 85	1,698 63	6,743 72
Medfield Insane Asylum, . . .	73,108 42	60,445 22	10,454 73	15,712 77	25,493 69	10,106 10	14,772 73	17,755 92
State Colony for the Insane, . . .	3,014 70	664 37	179 64	157 56	45 82	475 93	2,362 19	695 81
State Hospital,* . . .	48,283 65	51,643 44	12,075 55	9,292 67	38,136 90	20,508 53	10,464 64	27,558 67
State Farm,* . . .	47,451 45	50,149 75	15,531 14	4,640 91	27,289 90	8,868 95	14,070 47	15,902 61
Hospital for Epileptics, . . .	35,699 80	16,976 99	2,752 58	2,184 18	20,498 39	5,564 43	3,650 86	9,835 67
Totals, . . .	\$563,349 09	\$451,417 82	\$76,053 56	\$72,099 34	\$221,946 38	\$88,868 16	\$123,299 59	\$144,188 37
<b>II.—Other classes:—</b>								
Hospital for Dipso-manics, . . .	\$16,267 11	\$7,240 78	\$719 81	\$823 50	\$11,643 60	\$2,917 13	\$5,246 41	\$7,318 46
School for the Feeble-minded, . . .	52,476 29	31,704 42	8,569 18	6,287 63	13,080 83	10,339 64	10,508 02	9,618 42
Hospital Cottages for Children, . . .	12,407 95	5,468 86	538 72	753 34	1,684 92	510 91	2,655 59	2,729 12
Totals, . . .	\$81,151 35	\$44,414 06	\$9,827 71	\$7,864 47	\$26,409 35	\$13,757 68	\$18,410 02	\$19,666 00
Aggregate, . . .	\$649,500 44	\$495,831 88	\$85,881 27	\$79,963 81	\$248,355 73	\$102,635 84	\$141,709 61	\$163,854 37

\* Includes all departments.

## EXPENDITURES OF STATE INSTITUTIONS.

TABLE V. — *Expenditures for Maintenance of the State Institutions, etc. — Concluded.*

INSTITUTIONS.	Total Expenditures for Maintenance.	Specially Authorized Expenditures from Receipts.	Total Expenditures from Maintenance Funds.	Total Maintenance Funds in State Treasury.	Balance of Maintenance Funds in State Treasury Oct. 1, 1903.	Cash on Hand, payable to State Treasurer.	Total Balance of Maintenance Funds.
<b>I. — Insane: —</b>							
Worcester Insane Hospital, . . . . .	\$234,773 77	\$3,239 29	\$238,013 06	\$269,444 03	\$31,430 97	\$2,367 41	\$33,798 38
Taunton Insane Hospital, . . . . .	182,180 58	—	182,180 58	196,326 17	14,145 59	3,408 52	17,554 11
Northampton Insane Hospital, . . . . .	124,104 98	3,094 10*	127,199 08	131,945 86	4,746 78	1,906 50	6,653 28
Danvers Insane Hospital, . . . . .	216,657 92†	—	216,657 92	285,964 84	69,306 92	877 98	70,184 90
Westborough Insane Hospital, . . . . .	153,682 76†	—	153,682 76	178,382 68	24,699 92	3,322 00	28,021 92
Worcester Insane Asylum, . . . . .	100,334 67	—	100,334 67	120,645 13	20,310 46	187 77	20,498 23
Medfield Insane Asylum, . . . . .	227,849 58	—	227,849 58	276,436 94	48,587 36†	327 29	48,914 65
State Colony for the Insane, . . . . .	7,596 02	—	7,596 02	14,321 13	6,725 11	—	6,725 11
State Hospital,§ . . . . .	217,963 95	—	217,963 95	217,963 95	—	—	—
State Farm,§ . . . . .	183,915 18	—	183,915 18	183,915 18	—	—	—
Hospital for Epileptics, . . . . .	97,162 90	—	97,162 90	116,228 62	19,065 72	5,510 14	24,575 86
Totals, . . . . .	\$1,746,222 31	\$6,333 39	\$1,752,555 70	\$1,991,574 53	\$239,018 83	\$17,907 61	\$256,926 44
<b>II. — Other classes: —</b>							
Hospital for Dipso-maniacs, . . . . .	\$52,176 80†	—	\$52,176 80	\$68,737 65	\$16,560 85	\$7,072 44	\$23,633 29
School for the Feeble-minded, . . . . .	142,584 43†	—	142,584 43	175,858 09	33,273 66	9,128 07	42,401 73
Hospital Cottages for Children, . . . . .	26,749 41	—	26,749 41	34,146 68	7,397 27	—	7,397 27
Totals, . . . . .	\$221,510 64	—	\$221,510 64	\$278,742 42	\$57,231 78	\$16,200 51	\$73,432 29
Aggregates, . . . . .	\$1,967,732 95	\$6,333 39	\$1,974,066 34	\$2,270,316 95	\$296,250 61	\$34,108 12	\$330,358 73

\* Reimbursements to State treasury, amounts overdrawn previous year.

† Expenditures, October to September, inclusive.

‡ Includes \$712.63, unexpended balance of advance of \$2,000 at hospital.

§ Includes all departments.

|| Cash at institution, and includes \$72.41 due from expenditures other than for maintenance.

## RESOURCES AND LIABILITIES OF STATE INSTITUTIONS.

TABLE VI. — *Resources and Liabilities of State Institutions on Account of Maintenance, Oct. 1, 1903.*

INSTITUTIONS.	RESOURCES.				LIABILITIES.						
	Cash on Hand October 1, payable to State Treasurer.	Balance of Receipts and Main- tenance Ap- propriation with State Treasurer.	BILLS DUE FOR SUPPORT OF PATIENTS.			Other re- ceivable.	Total Resources.	Due for September Bille, as schedulesd.	Main- tenance paid in Ad- vance.	Total Liabilities.	Balance in Favor of the Insti- tution.
			From Cities and Towns.	From Indi- viduals.	From Soldiers' Relief.						
I. — Insane: —											
Worcester Insane Hospital,	\$2,367 41	\$31,430 97	\$30,037 09	\$12,082 54	\$425 25	—	\$76,343 26	\$24,979 95	—	\$24,979 95	\$51,363 31
Taunton Insane Hospital,	3,408 52	14,145 59	28,944 00	6,640 46	737 86	—	63,876 43	21,205 33	—	21,205 33	32,671 10
Northampton Insane Hospital,	1,906 50	4,746 78	20,476 03	9,621 89	297 59	—	37,048 79	9,939 57	—	9,939 57	27,109 22
Danvers Insane Hospital,	877 98	69,306 92	36,379 60	7,122 82	256 29	—	113,943 61	17,171 87	\$227 38	17,399 25	96,544 36
Westborough Insane Hospital,	3,322 00	24,699 92	18,073 49	1,322 63	360 25	—	47,778 29	12,737 14	—	12,737 14	35,041 15
Worcester Insane Asylum,	187 77	20,310 46	17,255 64	317 79	170 00	—	38,241 66	8,479 47	—	8,479 47	29,762 19
Medfield Insane Asylum,	327 29	48,587 36*	41,674 28	347 85	441 60	—	91,378 38	16,144 74	—	16,144 74	76,233 64
State Colony,	—	6,725 11	—	—	—	—	6,725 11	—	—	—	6,725 11
State Hospital,†	—	—	—	—	—	—	—	—	—	—	—
State Farm,†	—	—	—	—	—	—	—	—	—	—	—
Hospital for Epileptics,	5,510 14	19,065 72	12,957 62	2,706 32	85 42	—	40,465 32	8,677 69	—	8,677 69	31,787 63
Totals,	\$17,907 61	\$239,018 83	\$205,797 75	\$40,162 30	\$2,774 26	—	\$505,800 85	\$119,335 76	\$227 38	\$119,563 14	\$386,237 71
II. — Other classes: —											
Hospital for Dipomaniaacs and Inebriates,	\$7,072 44	\$16,560 85	\$3,895 71	—	\$21 82	\$247 20	\$27,769 02	\$3,237 21	—	\$3,237 21	\$24,531 81
School for the Feeble-minded,	9,128 07	33,273 66	14,761 35	\$8,281 75	—	4,865 78	70,310 61	18,320 85	—	18,320 85	51,989 76
Hospital Cottages for Children,	—	7,397 27‡	1,695 83	3,033 27	11,425 68	—	13,552 10	2,088 39	—	2,088 39	11,463 71
Totals,	\$16,200 51	\$57,231 78	\$20,323 94	\$11,315 02	\$1,447 50	—	\$5,112 98	\$23,646 45	—	\$23,646 45	\$87,985 28
Aggregates,	\$34,108 12	\$296,250 61	\$226,121 69	\$51,477 32	\$4,221 76	\$5,253 08	\$617,432 58	\$142,982 21	\$227 38	\$143,209 59	\$474,222 99

\* Includes \$712.53, balance of advance of \$2,000, at institution.

† Includes all departments.

‡ Includes \$3,550.80 due from New England beneficiaries.

§ Cash at institution, and includes \$72.41 due from expenditures other than for maintenance.  
|| From State.

## WEEKLY PER CAPITA COST OF MAINTENANCE.

TABLE VII. — *Weekly Per Capita Cost of Maintenance in State Institutions for the Year ending Sept. 30, 1903.*

INSTITUTIONS.	PRIVATE PATIENTS.		PUBLIC CHARGES.	
	Average Number.	Average Rate of Board.	Average Number.	Weekly Per Capita Cost.*
Worcester Insane Hospital,	172.40	\$5 69	952.70	\$3 37
Taunton Insane Hospital,†	73.80	4 59	878.00	3 47
Northampton Insane Hospital,	98.00	5 59	561.00	3 29
Danvers Insane Hospital,	105.00	5 63	1,017.00	3 19
Westborough Insane Hospital,	109.39	6 66	644.29	3 29
Totals,	556.59	\$5 71	4,052.99	\$3 32
Worcester Insane Asylum,	9.59	\$2 71	568.38	\$3 13
Medfield Insane Asylum,	—	..	1,409.95	2 90
Totals,	9.59	\$2 71	1,978.33	\$2 97
Aggregates, hospitals and asylums,	566.18	\$5 68	6,031.32	\$3 20
State Hospital,†	—	—	1,344.00	\$3 01
State Farm,†	—	—	1,495.00	2 15
Hospital for Epileptics,	25.81	\$5 74	383.72	4 09
Hospital for Dipsonanias,	5.00	4 15	134.05	6 54
School for the Feeble-minded,	83.00	3 47	702.00	3 29
Hospital Cottages for Children,	54.00	3 75	73.00	4 29
Totals,	167.81	\$3 93	4,131.77	\$3 14
Aggregates,	733.99	\$5 28	10,163.09	\$3 18

\* Computed on expenditures for maintenance, less receipts from board of private patients, sales of supplies, rent, interest, and increase in value of supplies on hand.

† Includes all departments.



## WEEKLY PER CAPITA COST OF MAINTENANCE.

TABLE VII. — *Weekly Per Capita Cost of Maintenance in State Institutions, etc. — Concluded.*

INSTITUTIONS.	BOTH PUBLIC AND PRIVATE PATIENTS.						AVERAGE WEEKLY PER CAPITA COST FOR THE LAST TWO YEARS.	
	AVERAGE WEEKLY PER CAPITA COST FOR THE YEAR, COMPUTED, —						Computed on C.	Computed on C, less Repairs and Improvements.
	Average Number.	A.	B.	C.	D.	E.		
		By Superintendent.	On Expenditures.	B, less Income from Sale of Supplies, Rent and Interest.	C, less Increase of Value of Supplies on Hand.	D, less All Repairs and Improvements.		
Worcester Insane Hospital, . . . . .	1,125.10	\$3 89	\$4 01	\$3 89	\$3 72	\$3 52	\$3 95	\$3 61
Taunton Insane Hospital, . . . . .	951.80	3 68	3 68	3 66	3 56	3 46	3 57	3 48
Northampton Insane Hospital, . . . . .	657.00	3 62	3 63	3 66	3 63	3 41	3 67	3 47
Danvers Insane Hospital, . . . . .	1,122.00	3 71	3 71	3 61	3 42	3 25	3 47	3 25
Westborough Insane Hospital, . . . . .	753.68	3 92	3 92	3 87	3 78	3 62	4 08	3 86
Totals, . . . . .	4,609.58	\$3 77	\$3 80	\$3 71	\$3 61	\$3 44	\$3 74	\$3 61
Worcester Insane Asylum, . . . . .	577.97	\$3 33	\$3 34	\$3 31	\$3 13	\$3 02	\$3 22	\$3 03
Medfield Insane Asylum, . . . . .	1,409.95	3 00	3 11	3 00	2 91	2 77	2 98	2 80
Totals, . . . . .	1,987.92	\$3 10	\$3 17	\$3 09	\$2 97	\$2 84	\$3 05	\$2 86
Aggregates, hospitals and asylums, . . . . .	6,597.50	\$3 57	\$3 61	\$3 52	\$3 42	\$3 26	\$3 53	\$3 31
State Hospital, * . . . .	1,344.00	\$3 12	\$3 12	\$3 10	\$3 01	\$2 72	\$2 84	\$2 59
State Farm, * . . . .	1,495.00	2 36	2 36	2 31	2 15	2 03	2 32	2 23
Hospital for Epileptics, . . . . .	408.53	4 55	4 56	4 50	4 19	3 93	4 36	4 13
Hospital for Dipomaniacs, . . . . .	139.05	7 21	7 22	6 71	6 46	6 05	6 86	6 29
School for the Feeble-minded, . . . . .	785.00	3 48	3 49	3 46	3 31	3 06	3 31	3 07
Hospital Cottages for Children, . . . . .	127.00	4 02	4 33	4 02	4 06	3 99	4 11	4 06
Totals, . . . . .	4,299.58	\$3 22	\$3 23	\$3 17	\$3 02	\$2 80	\$3 04	\$2 84
Aggregates, . . . . .	10,897.08	\$3 43	\$3 46	\$3 38	\$3 26	\$3 08	\$3 34	\$3 13

\* Includes all departments.

## COMPARATIVE EXPENDITURES.

TABLE VIII. — Comparative Analysis of All Expenditures by the Week Per Patient.

INSTITUTIONS.	FOOD.		CLOTHING AND CLOTHING MATERIAL.		FURNISHINGS.		HEAT, LIGHT AND POWER.		REPAIRS AND IMPROVEMENTS.		FARM, STABLE AND GROUNDS.	
	1903.	Average for Two Years.	1903.	Average for Two Years.	1903.	Average for Two Years.	1903.	Average for Two Years.	1903.	Average for Two Years.	1903.	Average for Two Years.
<b>I. — Insane : —</b>												
Worcester Insane Hospital, .	\$1.0354	\$1.0221	\$0.1749	\$0.1712	\$0.1500	\$0.1672	\$0.6000	\$0.4635	\$0.2002	\$0.3359	\$0.3165	\$0.3090
Taunton Insane Hospital, .	1.0253	1.0561	0.0985	0.1048	0.1734	0.1578	0.2989	0.3006	0.1085	0.0948	0.3753	0.3752
Northampton Insane Hospital, .	0.9705	1.0162	0.1378	0.1257	0.1304	0.1447	0.3527	0.3543	0.2160	0.2531	0.2790	0.2683
Danvers Insane Hospital, .	0.9324	0.9341	0.1157	0.1152	0.1560	0.1411	0.4040	0.3006	0.1699	0.2188	0.3463	0.3181
Westborough Insane Hospital, .	1.0442	1.0819	0.0706	0.0686	0.1205	0.2023	0.4564	0.4139	0.1522	0.2238	0.2410	0.2714
Worcester Insane Asylum, .	1.0561	1.0389	0.1905	0.2175	0.1490	0.1544	0.4302	0.2662	0.1080	0.1891	0.0565	0.0493
Medfield Insane Asylum, .	0.8244	0.8274	0.1426	0.1687	0.2143	0.1969	0.3477	0.2693	0.1378	0.1856	0.2015	0.1990
State Hospital,* . . . .	0.7389	0.7757	0.1728	0.1896	0.1330	0.1065	0.6457	0.3446	0.2934	0.2459	0.1497	0.1537
State Farm,* . . . .	0.6438	0.6706	0.1994	0.1764	0.0596	0.0575	0.3503	0.3266	0.1439	0.1208	0.1806	0.1893
Hospital for Epileptics, . .	0.7972	0.8806	0.1293	0.1159	0.1026	0.0986	0.9628	0.6829	0.2613	0.2350	0.1714	0.2057
Totals, . . . .	\$0.8801	\$0.9003	\$0.1481	\$0.1509	\$0.1404	\$0.1403	\$0.4332	\$0.3504	\$0.1725	\$0.2062	\$0.2361	\$0.2368
<b>II. — Other classes : —</b>												
Hospital for Dipso-maniacs, .	\$1.0014	\$0.9702	\$0.0996	\$0.0888	\$0.1139	\$0.0966	\$1.6103	\$0.9042	\$0.4034	\$0.3666	\$0.7256	\$0.5857
School for the Feeble-minded, .	0.7767	0.7604	0.2099	0.1987	0.1540	0.1362	0.3205	0.2360	0.2333	0.2352	0.2574	0.2623
Hospital Cottages for Children, .	0.8281	0.8086	0.0816	0.0731	0.1141	0.0862	0.2551	0.2915	0.0774	0.0399	0.4021	0.3619
Totals, . . . .	\$0.8126	\$0.7996	\$0.1798	\$0.1657	\$0.1438	\$0.1237	\$0.4832	\$0.3326	\$0.2519	\$0.2320	\$0.3368	\$0.3222
Aggregates, . . . .	\$0.8736	\$0.8902	\$0.1512	\$0.1523	\$0.1408	\$0.1387	\$0.4381	\$0.3484	\$0.1802	\$0.2086	\$0.2458	\$0.2463

\* Includes all departments.

TABLE VIII. — *Comparative Analysis of All Expenditures by the Week Per Patient* — Continued.

INSTITUTIONS.												
CHAPEL SERVICES AND ENTERTAINMENTS.		FREIGHT, EX-PRESSAGE AND TRANSPORTATION.		MEDICINES AND HOSPITAL SUPPLIES.		PRINTING AND PRINTING SUPPLIES.		WATER.		FUNERAL EXPENSES.		
1903.		Average for Two Years.		1903.		Average for Two Years.		1903.		Average for Two Years.		
I. — Insane : —												
Worcester Insane Hospital,	\$0.0105	\$0.0101	\$0.0046	\$0.0054	\$0.0359	\$0.0359	\$0.0047	\$0.0068	\$0.0865	\$0.0866	\$0.0048	\$0.0057
Taunton Insane Hospital,	0.0113	0.0111	0.0095	0.0098	0.0390	0.0501	0.0063	0.0080	0.0543	0.0506	0.0031	0.0047
Northampton Insane Hospital,	0.0207	0.0193	0.0258	0.0244	0.0236	0.0422	0.0031	0.0046	0.0870	0.0832	0.0005	0.0007
Danvers Insane Hospital,	0.0103	0.0087	0.0884	0.0742	0.0721	0.0546	0.0034	0.0034	—	—	0.0035	0.0019
Westborough Insane Hospital,	0.0138	0.0141	0.1175	0.1193	0.0234	0.0274	0.0062	0.0064	0.0032	0.0016	0.0018	0.0034
Worcester Insane Asylum,	0.0182	0.0175	0.0045	0.0053	0.0155	0.0195	0.0012	0.0018	0.0224	0.0249	0.0084	0.0073
Medfield Insane Asylum,	0.0128	0.0110	0.1383	0.1067	0.0125	0.0129	0.0044	0.0050	—	—	0.0036	0.0032
State Hospital,*	0.0090	0.0090	0.1300	0.1120	0.1536	0.1520	0.0085	0.0076	—	—	0.0053	0.0049
State Farm,*	0.0139	0.0136	0.0413	0.0379	0.0249	0.0273	0.0026	0.0014	—	—	—	—
Hospital for Epileptics,	0.0393	0.0384	0.0734	0.0616	0.0677	0.0853	0.0033	0.0038	0.0305	0.0332	0.0023	0.0021
Totals,	\$0.0135	\$0.0128	\$0.0702	\$0.0598	\$0.0497	\$0.0514	\$0.0045	\$0.0049	\$0.0237	\$0.0234	\$0.0032	\$0.0032
II. — Other classes : —												
Hospital for Dipso-maniacs,	\$0.0453	\$0.0640	\$0.0679	\$0.0745	\$0.1142	\$0.0868	\$0.0239	\$0.0160	\$0.1037	\$0.0990	\$0.0055	\$0.0028
School for the Feeble-minded,	0.0170	0.0165	0.0386	0.0363	0.0142	0.0130	0.00003	0.00003	0.0348	0.0359	0.0043	0.0038
Hospital Cottages for Children,	—	—	0.0706	0.1419	0.0508	0.0477	0.0201	0.0100	—	—	—	—
Totals,	\$0.0186	\$0.0226	\$0.0462	\$0.0555	\$0.0318	\$0.0283	\$0.0056	\$0.0036	\$0.0397	\$0.0415	\$0.0039	\$0.0031
Aggregates,	\$0.0142	\$0.0140	\$0.0680	\$0.0595	\$0.0480	\$0.0491	\$0.0047	\$0.0048	\$0.0253	\$0.0253	\$0.0033	\$0.0033

\* Includes all departments.

## COMPARATIVE EXPENDITURES.

TABLE VIII. — Comparative Analysis of All Expenditures by the Week Per Patient — Concluded.

INSTITUTIONS.	RETURNING ESCAPED PATIENTS.		MISCELLANEOUS.		TOTAL OF FOREGOING ITEMS.		PAY ROLL.		AGGREGATES.	
	1903.	Average for Two Years.	1903.	Average for Two Years.	1903.	Average for Two Years.	1903.	Average for Two Years.	1903.	Average for Two Years.
<b>I. — Insane: —</b>										
Worcester Insane Hospital,	\$0.0020	\$0.0017	\$0.1225	\$0.1356	\$2.6485	\$2.7567	\$1.3643	\$1.3100	\$4.0128	\$4.0667
Taunton Insane Hospital,	0.0016	0.0015	0.1256	0.1280	2.3256	2.3531	1.3552	1.3276	3.6808	3.6807
Northampton Insane Hospital,	0.0010	0.0006	0.1050	0.1069	2.3532	2.4445	1.2794	1.2758	3.6326	3.7203
Danvers Insane Hospital,	0.0011	0.0008	0.1049	0.1046	2.4080	2.2761	1.3054	1.3007	3.7134	3.5768
Westborough Insane Hospital,	0.0019	0.0010	0.1315	0.1510	2.3842	2.5863	1.5371	1.5611	3.9213	4.1474
Worcester Insane Asylum,	0.0016	0.0009	0.1526	0.1571	2.2147	2.1497	1.1237	1.1083	3.3334	3.2580
Medfield Insane Asylum,	0.0003	0.0005	0.0704	0.0713	2.1106	2.0575	0.9971	1.0033	3.1077	3.0608
State Hospital,*	0.0001	0.00005	0.0879	0.0849	2.4279	2.18645	0.6909	0.6773	3.1188	2.86375
State Farm,*	0.0011	0.0012	0.1143	0.1306	1.7517	1.7531	0.6093	0.6252	2.3610	2.3783
Hospital for Epileptics,	0.0005	0.0006	0.2447	0.2555	2.8861	2.6992	1.6764	1.7431	4.5625	4.4423
Totals,	\$0.0010	\$0.0008	\$0.1135	\$0.1192	\$2.2907	\$2.2614	\$1.1038	\$1.0984	\$3.3945	\$3.3598
<b>II. — Other classes: —</b>										
Hospital for Dipso-maniacs,	\$0.1413	\$0.1242	\$0.5103	\$0.6723	\$4.9663	\$4.1517	\$2.2498	\$1.9830	\$7.2161	\$6.1347
School for the Feeble-minded,	0.0010	0.0010	0.1257	0.1175	2.20743	2.05283	1.2856	1.2677	3.49303	3.32053
Hospital Cottages for Children,	—	—	0.2717	0.3208	2.1716	2.1816	1.8788	1.8833	4.0504	4.0649
Totals,	\$0.0194	\$0.0202	\$0.2856	\$0.2412	\$2.5681	\$2.3467	\$1.4859	\$1.4513	\$4.0529	\$3.7964
Aggregates,	\$0.0028	\$0.0029	\$0.1302	\$0.1313	\$2.3262	\$2.2737	\$1.1406	\$1.1336	\$3.4668	\$3.4073

\* Includes all departments.

## COST OF FOOD SUPPLIES.

TABLE IX. — Comparative Cost of Food Supplies, for All Persons fed, by the Week, Per Capita.

INSTITUTIONS.	AVERAGE NUMBER OF PERSONS FED			BUTTER AND BUTTERINE.		BEANS.		BREAD AND CRACKERS.	
	Patients.	Employees.	TOTAL.	1903.	Average for Two Years.	1903.	Average for Two Years.	1903.	Average for Two Years.
I. — Insane: —									
Worcester Insane Hospital, . .	1,125.10	209.57	1,334.67	\$0. 324	\$0.1230	\$0.0091	\$0.0085	\$0.0060	\$0.0066
Taunton Insane Hospital, . .	951.80	173.25	1,125.05	0.695	0.1611	0.0157	0.0118	0.0144	0.0140
Northampton Insane Hospital,	657.00	103.58	760.58	0.1824	0.1718	0.0091	0.0065	0.0260	0.0210
Danvers Insane Hospital, . .	1,122.00	180.97	1,302.97	0.1200	0.1182	0.0217	0.0197	0.0070	0.0103
Westborough Insane Hospital,	753.68	177.25	930.93	0.1088	0.1068	0.0153	0.0132	0.0029	0.0026
Worcester Insane Asylum, . .	577.97	95.42	673.39	0.1241	0.1205	0.0076	0.0084	0.0114	0.0113
Medfield Insane Asylum, . .	1,409.95	187.29	1,597.24	0.0919	0.0935	0.0083	0.0132	6.0045	0.0038
State Hospital, . . . . .	1,344.00	125.83	1,469.83	0.1023	0.1077	0.0065	0.0104	0.0017	0.0016
State Farm, . . . . .	1,495.00	89.13	1,584.13	0.0214	0.0265	0.0283	0.0249	0.0013	0.0014
Hospital for Epileptics, . .	409.53	93.92	503.45	0.1225	0.1248	0.0062	0.0044	0.0077	0.0075
Totals, . . . . .	9,846.03	1,436.21	11,282.24	\$0.1087	\$0.1055	\$0.0137	\$0.0134	\$0.0070	\$0.0070
II. — Other classes: —									
Hospital for Dipsomaniacs, . .	139.05	38.77	177.82	\$0.1326	\$0.1079	\$0.0128	\$0.0239	\$0.0135	\$0.0137
School for the Feeble-minded, . .	785.00	135.12	920.12	0.0556	0.0546	0.0221	0.0188	0.0008	0.0008
Hospital Cottages for Children, .	127.00	36.86	163.86	0.1487	0.1511	-	-	0.0201	0.0202
Totals, . . . . .	1,051.05	210.75	1,261.80	\$0.0785	\$0.0756	\$0.0179	\$0.0175	\$0.0051	\$0.0055
Aggregates, . . . . .	10,897.08	1,646.96	12,544.04	\$0.1057	\$0.1051	\$0.0142	\$0.0138	\$0.0068	\$0.0069

## COST OF FOOD SUPPLIES.

TABLE IX. — Comparative Cost of Food Supplies, for All Persons fed, by the Week, Per Capita — Continued.

INSTITUTIONS.	CEREALS, RICE, MEAL, ETC.		CHEESE.		EGGS.		FLOUR.		FISH.	
	1903.	Average for Two Years	1903.	Average for Two Years.	1903.	Average for Two Years.	1903.	Average for Two Years.	1903.	Average for Two Years.
<b>I. — Insane: —</b>										
Worcester Insane Hospital, . . . . .	\$0.0243	\$0.0209	\$0.0114	\$0.0117	\$0.0825	\$0.0799	\$0.0690	\$0.0853	\$0.0477	\$0.0453
Taunton Insane Hospital, . . . . .	0.0223	0.0213	0.0101	0.0099	0.0485	0.0498	0.1230	0.1096	0.0518	0.0507
Northampton Insane Hospital, . . . . .	0.0197	0.0205	0.0030	0.0034	0.1071	0.1256	0.0893	0.0893	0.0430	0.0428
Danvers Insane Hospital, . . . . .	0.0249	0.0237	0.0159	0.0146	0.0298	0.0391	0.1205	0.1080	0.0406	0.0412
Westborough Insane Hospital, . . . . .	0.0272	0.0261	0.0003	0.0004	0.0479	0.0498	0.1179	0.1038	0.0493	0.0470
Worcester Insane Asylum, . . . . .	0.0091	0.0102	0.0077	0.0083	0.0395	0.0374	0.1123	0.1023	0.0358	0.0352
Medfield Insane Asylum, . . . . .	0.0224	0.0218	0.0075	0.0097	0.0474	0.0455	0.0838	0.0848	0.0351	0.0392
State Hospital, . . . . .	0.0121	0.0118	0.0013	0.0008	0.0344	0.0299	0.1226	0.1284	0.0331	0.0373
State Farm, . . . . .	0.0103	0.0099	0.0031	0.0028	0.0067	0.0068	0.1299	0.1476	0.0359	0.0386
Hospital for Epileptics, . . . . .	0.0346	0.0322	0.0023	0.0022	0.0418	0.0524	0.0579	0.0755	0.0242	0.0261
Totals, . . . . .	\$0.0198	\$0.0189	\$0.0066	\$0.0068	\$0.0455	\$0.0484	\$0.1058	\$0.1087	\$0.0399	\$0.0407
<b>II. — Other classes: —</b>										
Hospital for Dipomaniaes, . . . . .	\$0.0138	\$0.0112	\$0.0094	\$0.0084	\$0.0242	\$0.0261	\$0.1021	\$0.1151	\$0.0679	\$0.0649
School for the Feeble-minded, . . . . .	0.0304	0.0318	0.0018	0.0016	0.0118	0.0098	0.1072	0.0978	0.0158	0.0148
Hospital Cottages for Children, . . . . .	0.0143	0.0128	0.0010	0.0008	0.0244	0.0268	0.0780	0.0598	0.0555	0.0541
Totals, . . . . .	\$0.0260	\$0.0258	\$0.0028	\$0.0026	\$0.0152	\$0.0148	\$0.1027	\$0.0981	\$0.0283	\$0.0283
Aggregates, . . . . .	\$0.0204	\$0.0196	\$0.0063	\$0.0064	\$0.0424	\$0.0431	\$0.1055	\$0.1056	\$0.0387	\$0.0395



## COST OF FOOD SUPPLIES.

TABLE IX. — Comparative Cost of Food Supplies, for All Persons fed, by the Week, Per Capita — Continued.

INSTITUTIONS.	FRUIT.		MEATS.		MILK.		MOLASSES.		SUGAR.	
	1903.	Average for Two Years.	1903.	Average for Two Years.	1903.	Average for Two Years.	1903.	Average for Two Years.	1903.	Average for Two Years.
<b>I. — Insane :—</b>										
Worcester Insane Hospital, . . . . .	\$0.0510	\$0.0425	\$0.2208	\$0.2139	-	-	\$0.0093	\$0.0082	\$0.0636	\$0.0645
Taunton Insane Hospital, . . . . .	0.0220	0.0270	0.2683	0.3015	-	-	0.0108	0.0095	0.0386	0.0380
Northampton Insane Hospital, . . . . .	0.0245	0.0344	0.2031	0.2109	\$0.0087	\$0.0113	0.0043	0.0112	0.0624	0.0620
Danvers Insane Hospital, . . . . .	0.0247	0.0182	0.2425	0.2585	0.0017	0.0008	0.0149	0.0120	0.0414	0.0398
Westborough Insane Hospital, . . . . .	0.0374	0.0416	0.2543	0.2843	-	-	0.0085	0.0078	0.0452	0.0479
Worcester Insane Asylum, . . . . .	0.0468	0.0501	0.1450	0.1506	0.1972	0.1840	0.0079	0.0081	0.0281	0.0348
Medfield Insane Asylum, . . . . .	0.0202	0.0145	0.1733	0.1723	0.0668	0.0438	0.0022	0.0024	0.0462	0.0521
State Hospital,* . . . . .	0.0077	0.0055	0.2178	0.2338	0.0170	0.0165	0.0069	0.0082	0.0363	0.0320
State Farm,* . . . . .	0.0020	0.0053	0.2529	0.2678	0.0002	0.0009	0.0071	0.0064	0.0397	0.0367
Hospital for Epileptics, . . . . .	0.0276	0.0308	0.1569	0.1861	0.0224	0.0162	0.0075	0.0080	0.0439	0.0487
Totals, . . . . .	\$0.0240	\$0.0234	\$0.2190	\$0.2332	\$0.0252	\$0.0208	\$0.0079	\$0.0077	\$0.0445	\$0.0451
<b>II. — Other classes :—</b>										
Hospital for Dipsonaniacs, . . . . .	\$0.0211	\$0.0235	\$0.2193	\$0.2285	-	-	\$0.0195	\$0.0199	\$0.0394	\$0.0370
School for the Feeble-minded, . . . . .	0.0142	0.0140	0.1398	0.1407	\$0.1414	\$0.1432	0.0063	0.0067	0.0499	0.0443
Hospital Cottages for Children, . . . . .	0.0148	0.0304†	0.2287	0.2118	0.0028	0.0014	-	-	0.0111	0.0056
Totals, . . . . .	\$0.0153	\$0.0179	\$0.1625	\$0.1647	\$0.1035	\$0.1008	\$0.0073	\$0.0080	\$0.0434	\$0.0381
Aggregates, . . . . .	\$0.0231	\$0.0228	\$0.2133	\$0.2261	\$0.0331	\$0.0292	\$0.0078	\$0.0077	\$0.0444	\$0.0443

\* Includes all departments.

† Included vegetables, 1902.

## COST OF FOOD SUPPLIES.

TABLE IX. — Comparative Cost of Food Supplies, for All Persons fed, by the Week, Per Capita — Concluded.

INSTITUTIONS.	TEA, COFFEE, BROMA AND COCOA.		VEGETABLES.		SUNDRIES.		TOTALS.	
	1903.	Average for Two Years.	1903.	Average for Two Years.	1903.	Average for Two Years.	1903.	Average for Two Years.
<b>I. — Insane: —</b>								
Worcester Insane Hospital,	\$0.0278	\$0.0300	\$0.0703	\$0.0685	\$0.0476	\$0.0511	\$0.8728	\$0.8600
Taunton Insane Hospital,	0.0305	0.0338	0.0232	0.0265	0.0276	0.0258	0.8673	0.8903
Northampton Insane Hospital,	0.0280	0.0321	0.0052	0.0031	0.0195	0.0237	0.8383	0.8746
Danvers Insane Hospital,	0.0240	0.0268	0.0507	0.0449	0.0225	0.0302	6.8028	0.7970
Westborough Insane Hospital,	0.0368	0.0393	0.0397	0.0640	0.0339	0.0353	0.8454	0.8699
Worcester Insane Asylum,	0.0267	0.0269	0.0768	0.0726	0.0306	0.0295	0.9064	0.8902
Medfield Insane Asylum,	0.0387	0.0449	0.0348	0.0345	0.0396	0.0492	0.7277	0.7232
State Hospital,*	0.0201	0.0224	0.0347	0.0294	0.0363	0.0375	0.6908	0.7162
State Farm,*	0.0248	0.0251	0.0321	0.0166	0.0131	0.0159	0.6088	0.6316
Hospital for Epileptics,	0.0173	0.0176	0.0494	0.0476	0.0262	0.0277	0.6484	0.7078
Totals,	\$0.0279	\$0.0307	\$0.0426	\$0.0392	\$0.0302	\$0.0338	\$0.7683	\$0.7823
<b>II. — Other classes: —</b>								
Hospital for Dipsonaniacs,	\$0.0457	\$0.0397	\$0.0201	\$0.0198	\$0.0419	\$0.0438	\$0.7831	\$0.7834
School for the Feeble-minded,	0.0084	0.0080	0.0342	0.0353	0.0229	0.0240	0.6626	0.6462
Hospital Cottages for Children,	0.0112	0.0131	0.0071	0.0036†	0.0240	0.0288	0.6417	0.6203
Totals,	\$0.0140	\$0.0138	\$0.0287	\$0.0285	\$0.0257	\$0.0279	\$0.6769	\$0.6659
Aggregates,	\$0.0265	\$0.0289	\$0.0412	\$0.0381	\$0.0297	\$0.0331	\$0.7591	\$0.7702

\* Includes all departments.

† Included in fruit, 1902.

TABLE X. — Comparative Analysis of Pay Roll by Departments.

INSTITUTIONS.	MEDICAL SERVICE.				WARD SERVICE.							
	AVERAGE NUMBER OF PERSONS.		AVERAGE MONTHLY COMPENSATION.		AVERAGE WEEKLY PER CAPITA COST.		AVERAGE NUMBER OF PERSONS.					
	1903.	Average for Two Years.	1903.	Average for Two Years.	1903.	Average for Two Years.	MALES.		FEMALES.		TOTALS.	
							1903.	Average for Two Years.	1903.	Average for Two Years.		
Worcester Insane Hospital,	14.14	14.24	\$73.42	\$77.13	\$0.2129	\$0.2251	55.38	54.65	60.66	61.53	116.04	116.19
Taunton Insane Hospital,	10.74	11.07	82.64	79.85	0.2152	0.2153	42.11	42.87	48.32	48.13	90.43	91.01
Northampton Insane Hospital,	5.00	4.94	105.83	104.10	0.1859	0.1837	22.40	22.22	25.53	26.51	47.93	48.73
Danvers Insane Hospital,	11.06	10.45	75.56	77.65	0.1742	0.1677	50.20	48.93	56.23	55.67	106.43	104.60
Westborough Insane Hospital,	9.45	9.26	85.44	84.20	0.2472	0.2486	38.89	38.13	53.10	52.18	91.99	90.31
Totals,	50.39	49.96	\$81.54	\$81.49	\$0.2057	\$0.2068	208.98	206.80	243.84	244.02	452.82	450.84
Worcester Insane Asylum,	4.57	4.15	\$83.12	\$86.51	\$0.1517	\$0.1486	26.39	22.33	25.35	24.70	51.74	47.03
Medfield Insane Asylum,	5.25	5.59	105.01	104.99	0.0899	0.0990	39.12	39.36	60.30	57.68	99.42	97.05
Totals,	9.82	9.74	\$94.61	\$96.89	\$0.1078	\$0.1133	65.51	61.69	85.65	82.38	151.16	144.08
Aggregates, hospitals and asylums,	60.21	59.70	\$83.67	\$84.01	\$0.1762	\$0.1739	274.49	268.49	339.49	326.40	603.98	594.92
State Hospital,	7.66	7.53	\$96.70	\$95.39	\$0.1272	\$0.1269	15.35	15.02	51.33	51.08	66.68	66.10
State Farm,	6.86	6.80	108.92	106.36	0.1151	0.1161	54.56	49.91	1.00	1.37	55.56	52.28
Hospital for Epileptics,	4.48	4.24	90.39	91.75	0.2231	0.2472	20.70	18.30	22.81	20.00	43.51	38.30
Hospital for Dipomaniaes,	4.18	4.06	91.71	93.88	0.6362	0.5827	13.55	13.89	-	-	13.55	13.89
School for the Feeble-minded,	3.00	3.00	172.21	168.05	0.1519	0.1527	15.21	13.71	61.64	61.94	76.85	75.65
Hospital Cottages for Children,	2.00	2.00	113.75	118.31	0.4315	0.4218	1.03	.96	11.03	11.63	12.06	12.59
Totals,	28.18	27.68	\$107.53	\$106.80	\$0.1625	\$0.1632	120.40	111.79	147.81	146.02	268.21	257.81
Aggregates,	88.39	87.38	\$91.28	\$91.23	\$0.1708	\$0.1728	394.89	380.28	477.30	472.42	872.19	852.73



TABLE X. — *Comparative Analysis of Pay Roll by Departments* — Continued.

INSTITUTIONS.	WARD SERVICE — Con.				GENERAL ADMINISTRATION.			
	AVERAGE WEEKLY PER CAPITA COST.		AVERAGE NUMBER OF PERSONS.		AVERAGE MONTHLY COMPENSATION.		AVERAGE WEEKLY PER CAPITA COST.	
	1903.	Average for Two Years.	1903.	Average for Two Years.	1903.	Average for Two Years.	1903.	Average for Two Years.
Worcester Insane Hospital, . . . . .	\$0.5107	\$0.5179	51.60	50.28	\$27.77	\$27.49	\$0.2939	\$0.2865
Taunton Insane Hospital, . . . . .	0.5339	0.5367	55.53	54.35	25.35	25.62	0.3414	0.3382
Northampton Insane Hospital, . . . . .	0.3688	0.3851	32.06	30.21	32.97	32.34	0.3713	0.3489
Danvers Insane Hospital, . . . . .	0.5034	0.4954	54.33	53.18	27.68	27.87	0.3093	0.3071
Westborough Insane Hospital, . . . . .	0.5811	0.5938	54.81	53.80	26.67	26.83	0.4476	0.4605
Totals, . . . . .	\$0.5050	\$0.5094	248.33	241.82	\$27.64	\$27.59	\$0.3436	\$0.3388
Worcester Insane Asylum, . . . . .	\$0.4226	\$0.3915	37.11	36.25	\$23.64	\$23.72	\$0.3504	\$0.3574
Medfield Insane Asylum, . . . . .	0.3804	0.3596	76.78	73.21	29.20	29.72	0.3666	0.3659
Totals, . . . . .	\$0.3784	\$0.3688	113.89	109.46	\$27.37	\$27.72	\$0.3619	\$0.3631
Aggregates, hospitals and asylums, . . . . .	\$0.4674	\$0.4679	362.22	351.28	\$27.55	\$27.61	\$0.3491	\$0.3460
State Hospital, . . . . .	\$0.2370	\$0.2370	35.38	35.35	\$35.83	\$35.04	\$0.2177	\$0.2176
State Farm, . . . . .	0.2925	0.2672	15.33	19.70	39.43	41.02	0.0931	0.1290
Hospital for Epileptics, . . . . .	0.5294	0.5154	33.81	31.73	27.78	27.48	0.5292	0.5538
Hospital for Dipomaniacs, . . . . .	0.6352	0.6019	15.42	16.67	29.37	29.38	0.7518	0.6534
School for the Feeble-minded, . . . . .	0.4729	0.4693	41.93	39.07	30.96	31.90	0.4089	0.3748
Hospital Cottages for Children, . . . . .	0.3958	0.3964	18.00	19.15	18.84	19.30	0.6370	0.6589
Totals, . . . . .	\$0.3448	\$0.3340	163.47	161.12	\$30.62	\$31.06	\$0.2686	\$0.2756
Aggregates, . . . . .	\$0.4186	\$0.4152	525.69	512.40	\$28.51	\$28.71	\$0.3173	\$0.3185

TABLE X. — Comparative Analysis of Pay Roll by Departments — Continued.

INSTITUTIONS.	REPAIRS AND IMPROVEMENTS.				FARM, STABLE AND GROUNDS.			
	AVERAGE NUMBER OF PERSONS.	AVERAGE MONTHLY COM- PENSATION.	AVERAGE WEEKLY PER CAPITA COST.		AVERAGE NUMBER OF PERSONS.	AVERAGE MONTHLY COM- PENSATION.	AVERAGE WEEKLY PER CAPITA COST.	
			1903.	Average for Two Years.			1903.	Average for Two Years.
Worcester Insane Hospital, . . . .	11.02	\$82 58	\$0.1866	\$82 42	27.76	\$28 11	\$0.1630	\$0.1515
Taunton Insane Hospital, . . . .	5.01	72 78	0.0884	68 54	21.52	33 80	0.1763	0.1700
Northampton Insane Hospital, . . . .	8.49	56 99	0.1699	57 08	15.58	33 52	0.1834	0.1865
Danvers Insane Hospital, . . . .	12.89	63 26	0.1677	64 77	19.25	38 06	0.1507	0.1486
Westborough Insane Hospital, . . . .	3.41	57 57	0.0602	55 00	22.56	25 37	0.2008	0.1999
Totals, . . . .	40.82	\$67 85	\$0.1387	\$66 12	106.67	\$32 05	\$0.1711	\$0.1673
Worcester Insane Asylum, . . . .	4.27	\$81 41	\$0.1387	\$82 05	3.70	\$40 74	\$0.0601	\$0.0618
Medfield Insane Asylum, . . . .	10.20	60 41	0.1008	53 55	17.56	27 60	0.0793	0.0752
Totals, . . . .	14.47	\$66 61	\$0.1118	\$61 17	21.26	\$29 88	\$0.0737	\$0.0713
Aggregates, hospitals and asylums, . . . .	55.29	\$67 54	\$0.1306	\$64 36	127.93	\$31 69	\$0.1418	\$0.1387
State Hospital, . . . .	2.57	\$70 64	\$0.0311	\$68 99	13.52	\$33 51	\$0.0777	\$0.0719
State Farm, . . . .	-	-	-	-	11.36	45 99	0.0804	0.0896
Hospital for Epileptics, . . . .	4.83	63 38	0.1720	63 21	13.26	29 03	0.2178	0.2226
Hospital for Dipso-maniacs, . . . .	.88	31 02	0.0453	30 51	4.73	23 07	0.1811	0.1552
School for the Feeble-minded, . . . .	4.86	93 07	0.1329	97 89	11.46	35 25	0.1187	0.1094
Hospital Cottages for Children, . . . .	.94	44 74	0.0764	50 14	7.24	25 69	0.3380	0.3188
Totals, . . . .	14.08	\$71 68	\$0.0541	\$70 21	61.57	\$32 10	\$0.1104	\$0.1088
Aggregates, . . . .	69.37	\$68 38	\$0.1004	\$65 52	189.50	\$32 26	\$0.1294	\$0.1270



TABLE X. — Comparative Analysis of Pay Roll by Departments — Concluded.

INSTITUTIONS.	ALL PERSONS EMPLOYED.									
	AVERAGE NUMBER OF PERSONS.		AVERAGE MONTHLY COMPENSATION.		NUMBER OF PATIENTS TO ONE EMPLOYEE.		AVERAGE WEEKLY PER CAPITA COST.		COST OF LABOR NOT ON PAY ROLL.	
	1903.	Average for Two Years.	1903.	Average for Two Years.	1903.	Average for Two Years.	1903.	Average for Two Years.	1903.	Average for Two Years.
Worcester Insane Hospital,	220.57	215.29	\$30 15	\$29 33	5.10	5.17	\$1.3642	\$1.3100	\$8 00	\$3,977 04
Taunton Insane Hospital,	183.25	181.01	30 50	30 08	5.19	5.22	1.3552	1.3276	150 78	656 39
Northampton Insane Hospital,	109.08	107.74	33 39	33 17	6.02	5.99	1.2794	1.2757	726 01	606 42
Danvers Insane Hospital,	203.97	203.02	31 11	30 90	5.45	5.46	1.3053	1.3007	478 01	480 31
Westborough Insane Hospital,	182.25	178.63	27 54	27 39	4.13	4.05	1.5371	1.5609	546 79	1,066 50
Totals,	899.12	885.69	\$30 30	\$29 92	5.12	5.12	\$1.3642	\$1.3463	\$1,909 59	\$6,786 66
Worcester Insane Asylum,	101.41	95.61	\$27 75	\$27 94	5.69	5.81	\$1.1237	\$1.1082	-	-
Medfield Insane Asylum,	209.20	203.96	29 12	27 24	6.73	6.72	0.9971	1.0027	\$83 75	\$41 87
Totals,	310.61	299.57	\$28 67	\$28 82	6.40	6.43	\$1.0339	\$1.0335	\$83 75	\$41 87
Aggregates, hospitals and asylums,	1,209.73	1,185.26	\$29 88	\$29 64	5.45	5.46	\$1.2647	\$1.2534	\$1,993 34	\$6,828 53
State Hospital,	125.83	124.16	\$31 97	\$31 05	10.68	10.08	\$0.6909	\$0.6772	\$1,845 82	\$4,081 97
State Farm,	89.13	89.77	42 83	41 72	16.80	16.01	0.5813	0.6021	1,965 50	2,003 00
Hospital for Epileptics,	99.92	91.36	29 77	30 16	4.09	3.99	1.6764	1.7430	2,399 16	2,165 02
Hospital for Dipomanacs,	38.77	39.61	34 96	36 22	3.58	4.31	2.2498	1.9830	411 85	313 75
School for the Feeble-minded,	141.12	137.52	30 98	30 43	5.56	5.54	1.2856	1.2676	1,953 18	1,690 70
Hospital Cottages for Children,	40.86	41.39	25 30	25 53	3.10	3.12	1.8788	1.8838	-	-
Totals,	535.63	523.81	\$32 73	\$32 51	8.03	7.97	\$0.9404	\$0.9403	\$11,575 51	\$10,254 44
Aggregates,	1,745.36	1,709.07	\$30 76	\$30 52	6.24	6.22	\$1.1367	\$1.1303	\$23,568 85	\$17,082 97

## CLASSES OF PERSONS UNDER SUPERVISION.

GENERAL STATISTICS RELATING TO THE INSANE.

TABLE XI. — *Classes of Persons under Supervision, their Number and Location, Oct. 1, 1903, and their Increase for the Year.*

	INSANE.												NON-RESIDENTS.		
	INSTITUTIONS.			WHOLE NUMBER.			INCREASE OVER A YEAR AGO			EPILEPTIC.			CRIMINAL.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Public Institutions: —															
Worcester Insane Hospital, . . . . .	577	600	1,177	43	30	73	16	7	23	10	9	19	—	—	—
Taunton Insane Hospital, . . . . .	498	469	967	16	30*	14*	16	6	22	4	3	7	—	—	—
Northampton Insane Hospital, . . . . .	344	344	688	3*	32	29	9	3	12	3	—	3	2	—	2
Danvers Insane Hospital, . . . . .	568	585	1,153	9	7*	2	15	12	27	2	1	3	—	1	1
Westborough Insane Hospital, . . . . .	337	443	780	7	17	24	6	7	13	2	1	3	2	1	3
Boston Insane Hospital (municipal), . . . . .	283	284	567	18	—	18	11	7	18	—	—	—	—	—	—
Worcester Insane Asylum, . . . . .	296	325	621	56	22	78	24	12	36	—	—	—	—	—	—
Medfield Insane Asylum, . . . . .	537	893	1,430	37*	101	64	50	42	92	1	2	3	—	—	—
State Colony for the Insane, . . . . .	9	—	9	9	—	9	—	—	—	—	—	—	—	—	—
Asylum Wards, State Hospital, . . . . .	125	371	496	7	8*	1*	12	16	28	—	—	—	—	—	—
Asylum for Insane Criminals, . . . . .	463	—	463	33	—	33	22	—	22	427	—	427	—	—	—
Hospital for Epileptics, . . . . .	119	120	239	—	4	4	119	120	239	—	—	—	—	—	—
Hospital for Dipso-manics and Inebriates, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
School for the Feeble-minded (partly private), . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hospital Cottages for Children (partly private), . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals, . . . . .	4,156	4,434	8,590	158	161	319	300	232	532	449	16	465	4	2	6

TABLE XI. — *Classes of Persons under Supervision, their Number and Location, Oct. 1, 1903, and their Increase for the Year.*

GENERAL STATISTICS RELATING TO THE INSANE.

## CLASSES OF PERSONS UNDER SUPERVISION.

	76	94	170	1*	5*	6*	-	-	-	-	-	-	17	26	43
B. — Private Institutions : —															
McLean Hospital, . . . . .	12	52	64	6*	3*	9*	-	1	1	-	-	6	19	24	
Other private institutions for the insane, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dr. Brown's Private Institution for Feeble-minded Youth, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals, . . . . .	88	146	234	7*	8*	15*	-	1	1	-	-	22	45	67	
C. — Boarded out, . . . . .	12	147	159	2	33	35	-	2	2	-	-	-	-	-	-
D. — Under control of overseers of poor : † —															
In almshouses, . . . . .	328	448	776	33	53	86	-	-	-	-	-	-	-	-	-
In private families, . . . . .	9	14	23	1	14*	13*	-	-	-	-	-	-	-	-	-
Totals, . . . . .	337	462	799	34	39	73	-	-	-	-	-	-	-	-	-
Grand totals, . . . . .	4,593	5,189	9,782	187	225	412	300	235	535	449	16	26	47	73	
Total A, C, . . . . .	4,168	4,681	8,749	160	194	354	300	234	534	449	16	4	2	6	
Total A, C, D, . . . . .	4,505	5,043	9,548	194	233	427	300	234	534	449	16	4	2	6	

Decrease.

† For year ending March 31, 1903, from reports by overseers of poor.

## CLASSES OF PERSONS UNDER SUPERVISION.

TABLE XI. — *Classes of Persons under Supervision, etc.* — Continued.

INSTITUTIONS.	NOT INSANE.						INEBRIATE OR DIPSO MANIAC.					
	WHOLE NUMBER.			VOLUNTARY ADMISSION.			EPILEPTIC.			NON-RESIDENTS.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
A. — Public Institutions :—												
Worcester Insane Hospital, .	-	-	-	-	-	-	-	-	-	-	-	-
Taunton Insane Hospital, .	-	-	-	-	-	-	-	-	-	-	-	-
Northampton Insane Hospital, .	2	2	4	2	2	4	-	-	-	-	-	-
Danvers Insane Hospital, .	1	2	3	1	2	3	-	-	-	-	-	-
Westborough Insane Hospital, .	3	7	10	3	7	10	1	1	2	-	-	-
Boston Insane Hospital (municipal), .	2	1	3	2	1	3	-	-	-	-	-	-
Worcester Insane Asylum, .	-	-	-	-	-	-	-	-	-	-	-	-
Medfield Insane Asylum, .	-	-	-	-	-	-	-	-	-	-	-	-
State Colony for the Insane, .	-	-	-	-	-	-	-	-	-	-	-	-
Asylum Wards, State Hospital, .	-	-	-	-	-	-	-	-	-	-	-	-
Asylum for Insane Criminals, .	-	-	-	-	-	-	-	-	-	-	-	-
Hospital for Epileptics, . . .	95	88	183	95	88	183	95	88	183	-	-	-
Hospital for Dipso maniacs and Inebriates, .	-	-	-	-	-	-	-	-	-	-	-	-
School for the Feeble-minded (partly private), . . . . .	-	-	-	-	-	-	-	-	-	-	-	-
Hospital Cottages for Children (partly private), . . . . .	-	-	-	-	-	-	-	-	-	-	-	-
Totals, . . . . .	103	100	203	103	100	203	96	89	185	143	27	170
										40*	1*	41*



CLASSES OF PERSONS UNDER SUPERVISION.

TABLE XI. — *Classes of Persons under Supervision, etc. — Continued.*

FEEBLE-MINDED.																		
INSTITUTIONS.	WHOLE NUMBER.			INCREASE OVER A YEAR AGO.			SCHOOL.			CUSTODIAL.			EPILEPTIC.			NON-RESIDENTS.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
A. — Public institutions : —																		
Worcester Insane Hospital, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Taunton Insane Hospital, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northampton Insane Hospital, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Danvers Insane Hospital, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Westborough Insane Hospital, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boston Insane Hospital (municipal), . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Worcester Insane Asylum, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medfield Insane Asylum, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
State Colony for the Insane, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asylum Wards, State Hospital, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asylum for Insane Criminals, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hospital for Epileptics, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hospital for Dipso-maniacs and Inebriates, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
School for the Feeble-minded (partly private), . . . . .	482	318	800	7	17	24	192	94	286	265	207	472	61	32	93	25	17	42
Hospital Cottages for Children (partly private), . . . . .	11	9	20	1*	3*	4*	5	4	9	2	2	4	4	6	10	2	2	4
Totals, . . . . .	493	327	820	6	1	20	197	98	295	267	209	476	65	38	103	27	19	46





## CLASSES OF PERSONS UNDER SUPERVISION.

TABLE XI. — *Classes of Persons under Supervision, etc. — Concluded.*

INSTITUTIONS.	AGGREGATES.						INCREASE OVER A YEAR AGO.						EPILEPTIC.			INCREASE OVER A YEAR AGO.			NON-RESIDENTS.		
	WHOLE NUMBER.			INCREASE OVER A YEAR AGO.			EPILEPTIC.			INCREASE OVER A YEAR AGO.			EPILEPTIC.			INCREASE OVER A YEAR AGO.			NON-RESIDENTS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Public institutions: —																					
Worcester Insane Hospital, . . . . .	577	607	1,184	43	25	68	16	7	23	2*	3	1	—	—	—	—	—	—	—	—	—
Taunton Insane Hospital, . . . . .	498	474	972	16	31*	15*	16	6	22	6*	1	5*	—	—	—	—	—	—	—	—	—
Northampton Insane Hospital, . . . . .	346	346	692	1*	34	33	9	3	12	5	1	6	2	—	2	—	—	—	2	—	—
Danvers Insane Hospital, . . . . .	569	591	1,160	10	3*	7	15	12	27	5	1*	4	—	—	1	—	—	—	—	—	—
Westborough Insane Hospital, . . . . .	341	461	802	10	27	37	7	8	15	1*	2	1	2	—	1	—	—	—	2	—	—
Boston Insane Hospital (municipal), . . . . .	285	285	570	20	1	21	11	7	18	—	2*	2*	—	—	—	—	—	—	—	—	—
Worcester Insane Asylum, . . . . .	296	325	621	56	22	78	24	12	36	—	—	—	—	—	—	—	—	—	—	—	—
Medfield Insane Asylum, . . . . .	537	893	1,430	37*	101	64	50	42	92	6*	2*	8*	—	—	—	—	—	—	—	—	—
State Colony for the Insane, . . . . .	9	—	9	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Asylum Wards, State Hospital, . . . . .	125	371	496	7	8*	1*	12	16	28	9	6	15	—	—	—	—	—	—	—	—	—
Asylum for Insane Criminals, . . . . .	463	—	463	33	—	33	22	—	22	—	—	—	—	—	—	—	—	—	—	—	—
Hospital for Epileptics, . . . . .	214	208	422	24	21	45	214	208	422	24	21	45	—	—	—	—	—	—	—	—	—
Hospital for Dipso-manics and Inebriates, . . . . .	142	—	142	40*	—	40*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
School for the Feeble-minded (partly private), . . . . .	482	318	800	7	17	24	61	32	93	8	3	11	25	17	42	—	—	—	7	5	12
Hospital Cottages for Children (partly private), . . . . .	75	52	127	3*	3*	6*	57	37	94	1	1*	—	—	—	—	—	—	—	—	—	—
Totals, . . . . .	4,959	4,931	9,890	154	203	357	514	390	904	37	31	68	36	24	60	—	—	—	—	—	—

## CLASSES OF PERSONS UNDER SUPERVISION.

	79	94	173	2	5*	3*	-	-	-	-	-	-	17	26	43
B.—Private institutions:—															
McLean Hospital, . . . . .	33	120	153	4*	6	2	1	1	1	1	2	5	19	24†	
Other private institutions for the insane, . . . . .															
Dr. Brown's Private Institution for Feeble-minded Youth, . . . . .	55	13	68	-	-	-	6	2	8	-	-	38	14	52	
Totals, . . . . .	167	227	394	2*	1	1*	7	3	10	1	2	60	59	119	
C.—Boarded out, . . . . .	12	147	159	2	33	35	-	2	2	-	-	-	-	-	
D.—Under control of overseers of poor:†—															
In almshouses, . . . . .	498	584	1,082	39	41	80	-	-	-	-	-	-	-	-	
In private families, . . . . .	34	44	78	2	11*	9*	-	-	-	-	-	-	-	-	
Totals, . . . . .	532	628	1,160	41	30	71	-	-	-	-	-	-	-	-	
Grand totals, . . . . .	5,670	5,933	11,603	195	267	462	521	395	916	38	32	70	96	83	179
Total A, C, . . . . .	4,971	5,078	10,049	156	236	392	514	392	906	37	31	68	36	24	60
Total A, C, D, . . . . .	5,503	5,706	11,209	197	266	463	514	392	906	37	31	68	36	24	60

\* Decrease.

† Includes insane non-residents only.

‡ For year ending March 31, 1903, from reports by overseers of poor.

## ADMISSIONS, DISCHARGES, ETC.

TABLE XII. — Admissions, Discharges, etc., of the Insane in Institutions and boarded in Private Families for the Year ending Sept. 30, 1903.

	Worcester Insane Hospital.	Taunton Insane Hospital.	Northampton Insane Hospital.	Danvers Insane Hospital.	Westborough Insane Hospital.	Ware Insane Hospital.	Boston Insane Hospital.	Worcester Insane Asylum.	Medford Insane Asylum.	State Colony for the Insane.	Asylum Ward, State Hospital.	Asylum for Insane Criminals.	Hospital for Epileptics.	Total Public Institutions.	McLean Hospital.	Other Private Hospitals.	Total Private Institutions.	Boarded in Private Families.	Totals for the State.
Remaindng Sept. 30, 1902,																			
Males, . . . . .	1,104	981	659	1,151	756	549	543	1,366	1	1	497	430	235	8,271	192	*74	*266	124	*8,661
Females, . . . . .	534	482	347	559	330	265	240	574	118	1	118	430	119	3,998	87	18	105	10	4,113
Since admitted, . . . . .	570	499	312	592	426	284	303	792	379	1	379	1	116	4,273	103	66	161	114	4,548
Males, . . . . .	610	480	258	427	343	379	122	197	109	10	109	79	29	3,023	129	54	183	78	3,284
By commitment,† . . . . .	350	248	123	203	164	141	81	15	47	10	47	79	12	1,473	76	16	92	3	1,568
By transfer, . . . . .	345	244	123	198	160	140	1	1	46	1	46	79	11	1,346	73	16	89	—	1,436
Females, . . . . .	5	4	—	5	4	1	1	15	10	1	1	1	3	127	3	—	3	3	133
By commitment,† . . . . .	260	212	135	224	179	238	41	182	62	—	62	—	17	1,550	53	38	91	75	1,716
By transfer, . . . . .	256	199	134	214	167	234	—	47	1	—	47	—	13	1,264	53	37	90	—	1,353
Discharges, viz., . . . . .	4	13	1	10	12	4	41	182	15	—	15	—	4	256	—	1	1	75	363
Recovered, . . . . .	537	474	218	422	309	339	43	130	110	1	110	46	20	2,649	138	64	202	42	2,893
Much improved, . . . . .	120	79	39	63	71	44	1	2	8	—	8	8	—	425	37	25	62	—	487
Improved, . . . . .	74	73	35	74	52	24	—	2	5	—	5	4	2	345	23	9	32	2	379
Not improved, . . . . .	57	103	38	47	47	45	1	12	10	—	10	3	3	366	24	13	37	—	403
Not insane, . . . . .	164	112	39	120	34	114	4	21	28	1	28	16	4	657	31	9	40	37	734
Died, . . . . .	5	—	2	—	16	14	—	—	—	—	—	—	—	37	—	—	—	—	37
Absent on visit, . . . . .	117	107	65	128	89	98	37	93	59	—	59	15	11	819	23	8	31	3	853
Elopements, . . . . .	—	—	7	—	—	20	—	3	—	—	—	—	5	25	13	—	13	—	38
Remaindng Sept 30, 1903,	—	—	—	—	—	—	—	—	—	—	—	—	—	10	—	—	—	1	11
Males, . . . . .	1,177	967	692	1,156	790	570	621	1,430	496	9	496	463	239	8,610	170	64	234	159	9,003
Females, . . . . .	577	498	346	569	337	285	296	537	125	9	125	463	119	4,161	76	12	88	12	4,281
Supported by the State, . . . . .	600	469	346	587	453	285	325	893	371	—	371	—	120	4,449	94	52	146	147	4,732
by towns, . . . . .	337	219	101	205	249	3	185	301	344	6	344	313	52	2,315	—	—	—	40	2,355
by individuals, . . . . .	664	671	486	841	432	473	425	1,129	152	3	152	150	181	5,607	—	—	—	103	5,710
	176	771	105	110	109	94	11	—	—	—	—	—	6	688	170	64	234	16	938

## ADMISSIONS, DISCHARGES, ETC.

Whole number of admissions, viz.,		610	460	258	427	343	379	122	197	10	109	79	29	3,023	129	54	183	78	3,284
Supported by the State,		292	183	48	121	135	24	38	38	7	99	49	16	1,050	-	-	-	18	1,068
By commitment,		290	178	48	119	123	24	38	38	7	99	49	15	940	-	-	-	18	940
By transfer,		2	5	-	2	7	-	-	-	38	10	-	1	110	-	-	-	58	128
Supported by towns,		271	251	164	264	143	281	84	159	3	10	30	11	1,671	-	-	-	58	1,729
By commitment,		267	241	163	269	137	277	84	159	3	4	30	8	1,386	-	-	-	58	1,386
By transfer,		4	10	1	5	6	4	-	-	3	6	-	3	285	-	-	-	58	343
Supported by individuals,		47	26	46	42	65	74	-	-	-	-	-	2	302	129	54	183	2	487
By commitment,		44	24	46	34	62	73	-	-	-	-	-	1	284	126	53	179	4	463
By transfer,		3	2	-	8	3	1	-	-	-	-	-	1	18	3	1	4	2	24
Former inmates,		147	131	61	109	84	74	122	197	10	27	11	20	993	49	12	61	78	1,132
Of this hospital,		107	89	52	76	46	51	3	9	-	4	4	2	443	17	5	22	13	478
Of other hospitals,		40	42	9	33	38	23	119	188	10	23	7	18	550	32	7	39	65	654
Cases admitted within the year,		610	460	258	427	343	379	122	197	10	109	79	29	3,023	129	54	183	78	3,284
Recent (insane less than one year),		294	181	85	207	176	212	-	8	-	21	27	-	1,211	71	44	116	-	1,326
Chronic (insane one year or more),		189	203	173	208	113	167	103	175	10	29	28	27	1,425	58	10	68	78	1,957
Of unknown duration,		127	76	-	12	64	-	19	14	-	59	24	2	387	-	-	-	-	387
Persons admitted within the year,		808	451	257	423	339	368	121	197	10	109	79	29	2,936	123	53	176	76	3,173
Recent cases,		292	171	84	203	172	201	-	8	-	21	27	-	1,151	65	43	107	-	1,246
Chronic cases,		189	204	173	208	113	167	102	175	10	29	28	27	1,407	68	10	68	76	1,549
Unknown,		127	76	-	12	64	-	19	14	-	59	24	2	378	-	-	-	-	378
New cases : —																			
Persons first admitted to any insane hospital,		463	329	197	318	259	305	-	-	-	82	68	9	2,030	80	42	122	-	2,152
Recent insanity,		232	165	68	171	143	182	-	-	-	14	26	-	1,001	60	37	87	-	1,088
Chronic insanity,		135	119	129	137	80	123	-	-	-	18	20	9	770	30	5	35	-	805
Unknown,		96	45	-	10	36	-	-	-	-	50	22	-	259	-	-	-	-	259
Persons transferred from other insane hospitals and returned from boarding,		9	17	1	15	16	5	121	197	10	16	-	5	412	3	1	4	76	492
Persons admitted from the general community,		599	434	256	408	323	363	-	-	-	93	79	24	2,560	120	52	171	-	2,724
Viz.: from cities and large towns,		455	316	167	305	245	363	-	-	-	86	-	15	1,935	97	43	139	-	2,068
from country districts,		144	118	89	103	78	-	-	-	-	7	-	9	546	23	9	32	-	577
unknown,		-	-	-	-	-	-	-	-	-	-	79	-	79	-	-	-	-	79
Whole number of cases within the year,		1,714	1,441	917	1,578	1,099	929	664	1,563	10	606	509	264	11,294	321	128	449	202	11,945
Whole number of persons within the year,		1,692	1,417	913	1,569	1,095	919	664	1,563	10	606	509	264	10,832	315	127	438	185	11,541
Average number,		1125.19	951.8	657.0	1122.0	753.68	557	577.97	1409.95	9.91	505.65	440.8	228.27	8,249.205	179.37	70.276	249.646	143.9	8,742.75
Persons recovered within the year,		119	78	38	52	71	44	1	2	-	8	8	-	421	37	25	62	-	483

\* Include 1 who was not reported as insane last year.

† Includes voluntary patients at Northampton, Danvers, Westborough and Boston.

## NUMBER OF STATE, TOWN AND PRIVATE PATIENTS, ETC.

YEARS.	WORCESTER INSANE HOSPITAL.			WORCESTER INSANE ASYLUM.			TAUNTON INSANE HOSPITAL.			NORTHAMPTON INSANE HOSPITAL.			DANVERS INSANE HOSPITAL.		
	State.	Town.	Private.	State.	Town.		State.	Town.	Private.	State.	Town.	Private.	State.	Town.	Private.
1867, .	101	142	114	-	-		153	132	51	271	49	93	-	-	-
1868, .	96	141	145	-	-		181	168	49	264	51	106	-	-	-
1869, .	51	173	152	-	-		145	194	44	234	63	105	-	-	-
1870, .	35	193	181	-	-		124	208	50	209	73	123	-	-	-
1871, .	29	211	181	-	-		91	213	78	215	89	116	-	-	-
1872, .	25	241	173	-	-		85	261	68	230	99	104	-	-	-
1873, .	48	244	177	-	-		76	290	68	247	101	85	-	-	-
1874, .	82	244	159	-	-		128	308	72	291	110	75	-	-	-
1875, .	42	296	140	-	-		135	394	73	282	139	75	-	-	-
1876, .	35	320	132	-	-		137	485	70	253	148	63	-	-	-
1877, .	51	355	122	-	-		158	563	55	239	175	61	-	-	-
1878, .	77	303	129	97	278		134	387	58	198	179	52	80	107	35
1879, .	73	300	116	118	253		126	378	55	202	184	56	149	334	50
1880, .	120	311	102	120	253		119	378	59	183	206	57	134	395	78
1881, .	114	363	108	95	272		81	411	56	176	229	58	112	432	82
1882, .	135	442	104	104	277		94	414	60	161	244	54	115	442	99
1883, .	184	435	111	105	287		111	463	59	158	253	58	150	461	110
1884, .	170	460	119	109	277		100	458	69	153	253	57	153	452	113

TABLE XIII. — Number of State, Town and Private Patients remaining in the Public Hospitals and Asylums for the Insane on the 30th of September, for Thirty-seven Years.



## NUMBER OF STATE, TOWN AND PRIVATE PATIENTS, ETC.

1885,	107	464	125	112	293	123	472	61	154	262	60	214	434	104
1886,	.	486	123	100	298	113	484	66	141	283	67	200	459	104
1887,	.	432	127	93	299	111	449	74	104	300	65	165	477	98
1888,	.	491	116	98	297	91	455	78	103	309	69	104	504	107
1889,	.	534	121	94	289	94	444	79	88	297	61	110	541	108
1890,	.	483	122	82	217	131	463	85	101	323	71	142	563	108
1891,	.	491	127	117	294	129	472	79	80	302	71	138	575	104
1892,	.	487	156	146	303	108	509	81	84	332	73	135	613	115
1893,	.	528	135	139	315	147	533	71	81	327	72	142	615	112
1894,	.	576	144	137	326	121	567	97	73	361	70	130	660	116
1895,	.	606	147	121	326	118	637	91	73	390	73	138	698	112
1896,	.	474	154	114	311	150	564	85	75	405	79	180	568	109
1897,	.	540	149	107	328	122	565	71	47	388	87	92	604	107
1898,	.	531	160	107	312	156	576	74	58	407	98	132	658	100
1899,	.	576	169	135	326	137	600	73	82	420	88	187	694	97
1900,	.	654	179	155	327	194	601	72	94	415	81	202	747	104
1901,	.	641	168	146	331	206	646	75	98	436	84	225	801	111
1902,	.	652	178	168	367	243	672	72	99	464	96	223	821	109
1903,	.	669	176	185	425	221	674	77	101	486	105	206	842	112

## NUMBER OF STATE, TOWN AND PRIVATE PATIENTS, ETC.\*

TABLE XIII. — *Number of State, Town and Private Patients, etc. — Continued.*

YEARS.	AT IPSWICH * AND WESTBOROUGH.			AT TEWKSBURY.		AT BRIDGEWATER.		AT McLEAN HOSPITAL.		AT BOSTON INSANE HOSPITAL.		TOTALS BY CLASSES.			Totals of Classes. All
	State.	Town.	Private.	State.	Town.	State.	Town.	Private.	Town.	Private.	State.	Town.	Private.		
1867, .	-	39	15	248	-	-	-	181	-	130	36	773	532	490	1,795
1868, .	-	38	44	264	-	-	-	173	-	154	25	806	552	512	1,869
1869, .	-	40	16	267	-	-	-	186	-	185	19	697	955	622	1,874
1870, .	-	47	19	294	-	-	-	186	-	207	15	682	728	574	1,962
1871, .	-	34	17	295	-	-	-	170	-	223	17	630	770	579	1,976
1872, .	-	43	18	299	-	-	-	174	-	200	14	639	844	561	2,034
1873, .	-	45	19	303	-	-	-	163	-	178	13	674	858	525	2,057
1874, .	-	41	20	319	-	-	-	150	-	183	22	820	886	498	2,204
1875, .	-	43	19	286	-	-	-	159	-	172	29	725	1,044	495	2,264
1876, .	-	50	21	284	-	-	-	159	-	177	18	711	1,180	463	2,354
1877, .	-	50	21	286	-	-	-	183	-	166	26	734	1,310	467	2,511
1878, .	-	55	15	251	-	-	-	163	-	170	26	837	1,479	478	2,794
1879, .	-	54	12	202	-	-	-	160	-	130	23	870	1,634	472	2,976
1880, .	-	49	12	159	32	-	-	163	-	136	26	867	1,760	497	3,123
1881, .	-	46	12	193	34	-	-	153	-	164	24	805	1,941	493	3,239
1882, .	-	50	9	237	37	-	-	160	-	169	19	846	2,075	505	3,426
1883, .	-	51	11	218	54	-	-	174	-	171	16	925	2,156	539	3,621
1884, .	-	46	7	307	37	-	-	175	-	178	16	955	2,161	556	3,672
1885, .	-	50	7	255	34	-	-	169	-	195	19	1,064	2,205	545	3,814

## NUMBER OF STATE, TOWN AND PRIVATE PATIENTS, ETC.

1886, .	-	47	7	325	42	48	-	161	206	27	1,079	2,305	555	3,936
1887, .	115	172	22	318	41	106	29	169	214	38	1,137	2,413	588	4,138
1888, .	113	258	35	270	82	100	41	179	153	23	1,042	2,590	607	4,239
1889, .	196	264	43	281	83	112	35	182	276	37	1,129	2,764†	631	4,524
1890, .	158	309	41	275	89	112	36	184	335	42	1,181	2,810†	653	4,553
1891, .	137	308	48	278	86	147	76	174	364	63	1,233	2,969†	666	4,868
1892, .	170	323	51	279	101	147	83	185	347	61	1,317	3,098	722	5,137
1893, .	132	314	68	295	108	137	85	177	402	50	1,296	3,287	685	5,268
1894, .	134	357	82	298	162	155	93	181	392	61	1,252	3,494	751	5,497
1895, .	125	342	100	294	179	161	83	136	454	73	1,238	3,725	732	5,695
1896, .	96	351	101	281	193	188	112	150	406	76	1,445	3,319	754	6,018
1897, .	120	333	98	290	179	206	119	155	431	76	1,360	4,250	743	6,353
1898, .	118	374	92	281	171	187	113	164	480	87	1,476	4,539	776	6,791
1899, .	168	372	114	327	168	205	126	171	418	89	1,778	4,662	801	7,241
1900, .	164	396	112	332	152	240	132	175	439	64	1,922	4,916	789	7,627
1901, .	185	397	110	345	177	276	127	177	433	80	2,084§	5,111	808	8,003
1902, .	224	424	117	335	162	294	136	192	462	84	2,220§	5,411	861	8,492
1903, .	257	434	111	344	152	313	150	173	473	94	2,322§	5,615	865¶	8,802

\* Ipswich Asylum discontinued and Westborough opened in 1887.

† Including at Medfield Insane Asylum, in 1896, 563 patients, — State 128 and town 435; in 1897, 961, — State 198 and town 763; in 1898, 1,001, — State 204 and town 797; in 1899, 1,088, — State 233 and town 855; in 1900, 1,197, — State 250 and town 947; in 1901, 1,286, — State 275 and town 1,011; in 1902, 1,366, — State 294 and town 1,072, and in 1903, 1,430, — State 301 and town 1,129. At the Hospital for Epileptics at Monson in 1898, 171, — State 50, town 120 and private 1; in 1899, 138, — State 31 and town 107; in 1900, 142, — State 34, town 106 and private 2; in 1901, 150, — State 36, town 111 and private 3; in 1902, 235, — State 51, town 179 and private 5; and in 1903, 239, — State 52, town 181 and private 6.

‡ Includes 1 town patient at McLean Hospital.

§ Includes 3 State patients at Boston Insane Hospital.

|| Includes 8 private patients at Worcester Insane Asylum.

¶ Includes 11 private patients at Worcester Insane Asylum.

## RECORD OF CASES ADMITTED IN 1902-1903.

TABLE XIV. — *Record of Cases admitted within the Year 1902-1903 at the Five State Hospitals.*

	INSANE.			HABITUAL DRUNKARDS.			NOT INSANE.			AGGREGATES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Admitted, . . . . .	1,077	997	2,074	9	29	38	11	13	24	1,097	1,039	2,136
Discharged recovered, . . . . .	139	69	208	7	4	11	-	-	-	146	73	219
much improved, . . . . .	80	55	135	-	2	2	-	-	-	80	57	137
improved, . . . . .	53	50	108	-	1	1	-	-	-	58	51	109
not improved, . . . . .	64	56	120	-	1	1	-	1	1	64	58	122
not insane, . . . . .	2	2	4	1	6	7	6	6	12	9	14	23
Died, . . . . .	111	77	188	-	-	-	-	-	-	111	77	188
Remaining Sept. 30, 1903, . . . . .	623	688	1,311	1	15	16	3	8	11	629	709	1,338
Number likely to recover or improve,*	169	194	363	-	5	5	-	4	4	169	203	372

\* None of the 225 cases remaining at Westborough are reported under this head.

## FORMS OF MENTAL DISEASE, ETC.

TABLE XV.—*Forms of Mental Disease in Cases admitted or discharged at Five State Hospitals, with Condition on Discharge, 1902-1903.*

FORMS OF DISEASE.	Cases admitted, 1902-1903.	CASES DISCHARGED, 1902-1903.					Aggregates.
		Recovered.	Much im- proved.	Improved.	Not im- proved.	Died.	
I.—Insane:—							
Mania, acute, . . . . .	19	19	3	-	1	6	29
acute delirious, . . . . .	3	-	-	-	2	1	3
chronic, . . . . .	-	-	-	-	2	2	4
delirious, . . . . .	-	-	-	-	-	3	3
Melancholia, acute, . . . . .	25	27	4	8	2	1	42
chronic, . . . . .	4	-	1	1	1	2	5
climacteric, . . . . .	32	6	2	1	1	14	24
involution, . . . . .	21	-	8	1	6	9	24
senile, . . . . .	1	-	-	-	-	2	2
Katatonias, . . . . .	6	5	5	1	2	-	13
Dementia, chronic, . . . . .	-	-	-	-	-	1	1
hebephrenic form, . . . . .	49	2	10	8	7	10	37
katatonic, . . . . .	2	-	-	1	1	-	2
organic, . . . . .	39	-	11	3	2	19	35
paranoid, . . . . .	17	-	2	-	4	-	6
post-paralytic, . . . . .	14	-	-	-	-	14	14
præcox, . . . . .	400	3	51	68	165	33	320
secondary, . . . . .	31	-	5	8	10	8	31
senile, . . . . .	209	-	3	13	31	141	188
Paranoia, . . . . .	97	-	18	11	44	13	86
Paranoid condition, . . . . .	44	-	4	30	33	3	70
Alcoholic insanity, . . . . .	220	126	37	16	24	12	215
acute, . . . . .	11	15	-	-	-	-	15
chronic, . . . . .	10	-	1	5	8	1	15
Circular insanity, . . . . .	-	-	-	-	1	2	3
Confusional insanity, . . . . .	-	2	-	-	-	-	2
Epileptic insanity, . . . . .	25	1	5	9	2	7	24
Epilepsy, . . . . .	30	-	4	3	5	2	14
and dementia, . . . . .	6	-	-	-	-	1	1
and imbecility, . . . . .	-	-	-	-	-	2	2
and mania, . . . . .	1	-	3	1	1	1	6
and melancholia, . . . . .	-	-	-	-	-	-	-
Hysteria, . . . . .	-	1	1	-	-	-	2
Hysterical insanity, . . . . .	4	-	-	1	-	-	1
Manic-depressive insanity, . . . . .	27	-	-	-	-	-	-
circular form, . . . . .	2	-	2	3	-	1	6
depressed form, . . . . .	43	24	23	8	10	7	72
manic form, . . . . .	53	29	19	16	9	10	83
mixed form, . . . . .	4	1	2	2	-	2	7
Periodic insanity, circular, . . . . .	3	3	1	4	1	1	10
depressed, . . . . .	50	7	5	1	-	2	15
depressed delirious, . . . . .	3	-	-	-	-	-	-
manic, . . . . .	25	11	4	-	2	3	20
manic and delirious, . . . . .	-	4	-	1	-	-	5
Recurrent insanity, . . . . .	7	2	1	-	-	-	3
Toxic insanity, . . . . .	5	4	1	-	-	-	5
acute alcoholism, . . . . .	47	40	7	3	1	3	54
alcoholism and tea, . . . . .	1	-	-	-	-	-	-
chronic alcoholism, . . . . .	18	-	15	4	5	-	24
chronic morphinism, . . . . .	3	-	1	-	1	-	2
morphinism and alcoholism, . . . . .	1	-	-	-	-	-	-
Traumatic insanity, . . . . .	3	1	-	-	-	-	1
Delirium, acute, . . . . .	4	2	1	-	-	2	5
infectious, toxic and æsthenic, . . . . .	40	20	7	-	1	9	37
febrile, toxic and uræmic, . . . . .	4	-	-	-	-	4	4
General paralysis, . . . . .	189	-	11	18	19	120	168
Paralysis agitans, . . . . .	3	-	-	-	1	-	1
Organic brain disease, . . . . .	6	-	1	1	1	9	12
Idiocy, . . . . .	2	-	-	-	-	1	1

## FORMS OF MENTAL DISEASE, ETC.

TABLE XV. — *Forms of Mental Disease, etc.* — Concluded.

FORMS OF DISEASE.	Cases admitted, 1902-1903.	CASES DISCHARGED, 1902-1903.					
		Recovered.	Much im- proved.	Improved.	Not im- proved.	Died.	Aggregates.
I. — Insane — <i>Concluded.</i>							
Imbecility, . . . . .	60	-	8	19	27	9	63
Mental deficiency, . . . . .	22	-	4	4	3	-	11
Constitutional inferiority, . . . . .	22	-	6	6	16	-	28
Psychopathic inferiority, . . . . .	9	-	-	2	4	-	6
Neurasthenia, . . . . .	10	1	2	2	-	-	5
Pernicious anæmia, . . . . .	1	-	-	-	-	12	2
Korsakoff's psychosis, . . . . .	3	-	-	-	-	-	-
Involution psychosis, . . . . .	18	-	6	5	3	5	19
Infection psychosis, . . . . .	2	-	-	-	-	2	2
Huntington's chorea, . . . . .	1	-	-	-	-	1	1
Cerebral syphilis, . . . . .	2	-	-	-	-	-	-
Exhaustion psychosis, . . . . .	1	1	-	-	-	-	1
Basedow's disease (psychosis with), . . . . .	1	1	-	-	-	-	1
Myxedematous insanity, . . . . .	1	-	-	-	-	1	1
Morphinism, . . . . .	3	1	1	-	-	1	3
Narcotic inebriety, . . . . .	4	2	-	-	-	-	2
Undiagnosed, . . . . .	48	-	3	3	10	-	16
II. — Habitual drunkards, . . . . .	38	17	6	2	13	-	38
III. — Not insane, voluntary cases, . . . . .	29	1	-	1	23	1	26
Totals of cases, . . . . .	2,135	379	315	294	505	506	1,999
Totals of persons, . . . . .	2,113	-	-	-	-	-	1,995



## PROBABLE CAUSES OF MENTAL DISEASES, ETC.

TABLE XVI. — *Probable Causes of Mental Diseases in Persons \* admitted at Seven Hospitals in 1902-1903.*

ASSIGNED CAUSES.	WORCESTER INSANE HOSPITAL.			TAUNTON INSANE HOSPITAL.			NORTHAMPTON INSANE HOSPITAL.			DANVERS INSANE HOSPITAL.			WESTBOROUGH INSANE HOSPITAL.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
I.—Physical:—															
Acute diseases, . . . . .	108	27	135	—	2	2	—	—	—	41	21	62	—	—	—
Alcohol, . . . . .	59	20	79	44	32	76	—	1	1	—	—	—	—	—	—
Alcohol and other causes, . . . . .	—	—	—	1	1	2	—	—	—	—	—	—	—	—	—
Alcoholic intemperance, . . . . .	—	—	—	1	—	1	—	—	—	2	5	7	7	1	8
and morphinism, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
and tuberculosis, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apoplexy, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apoplexy and worry, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arrested development, . . . . .	—	—	—	1	—	1	—	—	—	2	2	4	—	—	—
Arterio-sclerosis, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arthritis deformans, . . . . .	—	—	—	1	1	2	—	—	—	—	—	—	—	—	—
Basedow's disease, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Brain fever, . . . . .	—	—	—	2	1	3	2	4	6	—	1	1	—	—	—
Cerebral hemorrhage, . . . . .	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—
Cerebral meningitis, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Climacteric, . . . . .	—	—	—	10	—	10	13	9	22	—	14	14	13	5	18
Congenital, . . . . .	20	11	31	—	15	25	—	—	—	—	8	8	—	—	—
Constitutional inferiority, . . . . .	3	1	4	—	—	—	—	—	—	—	—	—	2	—	2
Disipation, . . . . .	—	—	—	—	—	—	4	—	4	3	2	5	1	3	4
Drug habit, . . . . .	6	4	10	9	2	11	5	1	6	2	—	2	3	2	5
Epilepsy, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Eroticism, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fracture of skull, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Heat prostration, . . . . .	11	39	50	15	31	46	12	29	41	45	48	93	5	4	9
Heredity, . . . . .	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—
and anxiety, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
and injury, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
and intemperance, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
and menopause, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
and puerperium, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

\* Worcester, Taunton and Westborough report cases instead of persons.

## PROBABLE CAUSES OF MENTAL DISEASES, ETC.

TABLE XVI. — *Probable Causes of Mental Diseases, etc.* — Continued.

ASSIGNED CAUSES.	WORCESTER INSANE HOSPITAL.			TAUNTON INSANE HOSPITAL.			NORTHAMPTON INSANE HOSPITAL.			DANVERS INSANE HOSPITAL.			WESTBOROUGH INSANE HOSPITAL.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
I. — <i>Physical — Concluded.</i>															
Ill health, . . . . .	8	14	17	—	2	2	—	—	—	—	5	5	5	9	14
Ill health and other causes,	3	17	20	—	—	—	—	—	—	1	—	1	—	—	—
Infantile paralysis, . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6
Injury, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—
Injury to head, . . . . .	—	—	—	1	1	1	2	1	3	—	—	—	4	—	—
Infectious process, . . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Intemperance, . . . . .	—	—	—	—	—	—	33	8	41	—	—	—	28	19	47
Insolation, . . . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Lactation, . . . . .	—	—	—	—	—	—	—	2	2	1	—	1	—	8	8
La grippe, . . . . .	14	—	14	1	1	1	3	8	11	—	—	—	—	—	—
Masturbation, . . . . .	16	1	17	—	—	—	—	—	—	—	—	—	—	—	—
Masturbation and other causes,	—	6	6	7	7	7	—	12	12	—	—	—	—	—	—
Menopause, . . . . .	—	11	11	—	—	—	—	—	—	—	—	—	—	—	—
Menopausal and other causes,	—	3	3	—	—	—	—	—	—	—	3	3	—	—	—
Menstrual disorders, . . . .	—	—	—	—	—	—	3	—	3	—	—	—	—	—	—
Morphinism, . . . . .	1	—	1	—	—	—	—	—	—	—	1	1	—	—	—
Morphine and cocaine, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Myxedema, . . . . .	—	—	—	—	—	—	—	—	—	3	—	3	—	—	—
Nephritis, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Organic brain disease, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Overwork, . . . . .	—	—	—	—	—	—	—	—	—	—	7	7	1	15	16
Overwork and other causes,	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—
Paralysis, . . . . .	—	—	—	—	1	1	—	—	—	—	—	—	—	1	1
Paralysis agitans, . . . . .	—	—	—	1	1	1	—	—	—	—	—	—	—	—	—
Pernicious anemia, . . . .	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Physical disease, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Physical disease and intemperance,	—	—	—	1	1	1	—	—	—	—	—	—	—	—	—
Pneumonia, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pregnancy, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pregnancy, puerperium or lactation,	—	16	16	—	—	—	—	—	—	—	9	9	—	3	3
Privation, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal, . . . . .	—	—	—	3	3	3	—	7	7	—	—	—	1	—	1

## PROBABLE CAUSES OF MENTAL DISEASES, ETC.

Senility, . . . . .	12	15	27	19	21	40	9	17	26	11	29	40	17	27	44
Senility and other causes, . . . . .	8	14	22	-	-	-	-	1	1	-	-	-	2	2	4
Specific, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	15	4	19
Stroke, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis, . . . . .	27	1	28	21	7	28	8	3	11	23	9	32	-	-	-
Syphilis and other causes, . . . . .	6	1	7	1	-	1	-	-	-	-	-	-	-	-	-
Tea, . . . . .	-	2	2	-	-	-	-	-	-	-	-	-	1	-	1
Trauma, . . . . .	6	1	7	-	-	-	-	-	-	1	-	1	-	-	-
Tuberculosis, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
II. — Mental:—															
Bereavement, . . . . .	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Business trouble, . . . . .	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Disappointment, . . . . .	-	3	3	-	1	1	-	-	-	-	-	-	12	25	37
Domestic and business trouble, . . . . .	4	14	18	-	1	1	-	1	1	-	-	-	-	-	-
Grief, worry, . . . . .	1	5	6	-	1	1	-	-	-	-	-	-	-	-	-
Overwork, worry, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Overstudy or overwork, . . . . .	-	-	-	-	-	-	2	3	5	-	-	-	7	8	15
Religious excitement, . . . . .	-	-	-	-	-	-	25	16	41	64	62	126	33	43	76
Not insane, . . . . .	45	41	86	120	89	209	-	-	-	-	-	-	-	-	-
Unknown, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals, . . . . .	357	267	624	249	216	465	121	135	256	202	226	423	165	192	357

## PROBABLE CAUSES OF MENTAL DISEASES, ETC.

TABLE XVI. — *Probable Causes of Mental Diseases, etc.* — Continued.

ASSIGNED CAUSES.	BOSTON INSANE HOSPITAL.*			MCLEAN HOSPITAL*			TOTALS.			PREVIOUS ATTACKS.			HEREDITARY PREDISPOSITION.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
I. — Physical: —															
Acute diseases, . . . . .	—	—	—	1	1	2	1	3	4	—	1	1	—	1	1
Alcohol, . . . . .	—	—	—	—	—	—	149	48	197	10	11	21	3	—	3
Alcohol and other causes, . . . . .	—	—	—	—	—	—	59	20	79	6	14	20	1	—	1
Alcoholic intemperance, . . . . .	—	—	—	—	—	—	44	33	77	—	—	—	—	—	—
and morphinism, and tuberculous, . . . . .	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Apoplexy, . . . . .	2	3	5	—	—	—	11	9	20	—	—	—	—	—	—
Apoplexy and worry, . . . . .	—	—	—	—	—	—	1	—	1	—	1	1	—	—	—
Arrested development, . . . . .	—	—	—	1	2	3	1	2	3	—	—	—	—	—	—
Arterio-sclerosis, . . . . .	—	—	—	—	—	—	3	2	5	—	—	—	—	—	—
Arthritis deformans, . . . . .	—	—	—	—	—	—	1	1	2	—	—	—	—	—	—
Basedow's disease, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Brain fever, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebral hemorrhage, . . . . .	—	—	—	—	—	—	4	5	9	—	—	—	—	—	—
Cerebral meningitis, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chlamberlain, . . . . .	—	—	—	—	—	—	—	19	19	—	—	—	—	—	—
Congenital, . . . . .	3	4	7	—	—	—	38	33	72	4	2	6	4	4	8
Constitutional inferiority, . . . . .	—	—	—	—	—	—	20	19	39	—	—	—	—	—	—
Dissemination, . . . . .	—	—	—	—	—	—	5	1	6	—	—	—	—	—	—
Drug habit, . . . . .	—	—	—	—	—	—	8	5	13	2	—	2	1	—	1
Epilepsy, . . . . .	5	1	6	—	—	—	30	10	40	1	—	1	2	1	3
Eroticism, . . . . .	—	—	—	—	2	2	—	2	2	—	—	—	—	—	—
Fracture of skull, . . . . .	1	—	1	—	—	—	1	1	2	—	—	—	—	—	—
Heat prostration, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Heredity, . . . . .	5	11	16	—	3	7	97	165	262	9	41	50	81	125	206
and anxiety, and injury, . . . . .	—	—	—	—	—	—	1	1	2	—	—	—	—	—	—
and intemperance, and menopause, . . . . .	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
and puerperium, . . . . .	—	—	—	—	—	—	—	4	4	—	—	—	—	—	—
	—	—	—	—	—	—	—	5	5	—	—	—	—	—	—
	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—

## PROBABLE CAUSES OF MENTAL DISEASES, ETC.

Ill health, . . . . .	5	18	23	3	10	13	16	58	74	1	9	10	-	-	5	5
Ill health and other causes, . . . . .	-	-	-	-	-	-	3	17	20	-	-	-	-	-	-	-
Infantile paralysis, . . . . .	-	-	-	-	-	-	3	1	1	-	-	-	-	-	-	-
Injury, . . . . .	3	-	3	3	-	3	10	1	12	2	1	3	-	-	-	-
Injury to head, . . . . .	-	-	-	-	-	-	3	2	4	2	-	2	-	-	-	-
Infectious process, . . . . .	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-
Intemperance, . . . . .	17	19	36	6	2	8	84	48	132	9	4	14	4	-	3	7
Insolation, . . . . .	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-
Lactation, . . . . .	-	-	-	-	-	-	2	10	10	-	2	2	-	-	-	-
La grippe, . . . . .	-	-	-	-	-	-	17	9	26	-	-	-	-	-	1	1
Masturbation, . . . . .	-	-	-	-	1	1	16	1	17	-	-	-	-	-	2	2
Masturbation and other causes, . . . . .	-	-	-	-	2	2	-	29	29	1	3	4	-	-	-	-
Menopause, . . . . .	-	2	2	-	-	-	-	11	11	-	-	-	-	-	-	-
Menopause and other causes, . . . . .	-	-	-	-	-	-	-	6	6	-	-	-	-	-	-	-
Menstrual disorders, . . . . .	-	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-
Morphinism, . . . . .	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-
Morphine and cocaine, . . . . .	-	-	-	-	-	-	3	-	3	-	-	-	-	-	-	-
Myxedema, . . . . .	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-
Nephritis, . . . . .	-	-	-	-	-	-	3	3	3	1	-	1	-	-	-	-
Organic brain disease, . . . . .	-	3	3	-	-	-	-	25	26	-	5	5	-	-	1	1
Overwork, . . . . .	-	3	3	-	-	-	1	1	1	-	-	-	-	-	-	-
Overwork and other causes, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paralysis, . . . . .	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
Paralysis agitans, . . . . .	-	-	-	-	-	-	3	1	3	-	-	-	-	-	1	1
Pernicious anemia, . . . . .	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-
Physical disease, . . . . .	-	-	-	-	-	-	4	4	8	-	-	-	-	-	-	-
Physical disease and intemperance, . . . . .	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-
Pneumonia, . . . . .	-	-	-	-	-	-	1	3	3	-	-	-	-	-	-	-
Pregnancy, . . . . .	-	-	-	-	-	-	-	25	25	-	1	1	-	-	-	-
Pregnancy, puerperum or lactation, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Privation, . . . . .	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-
Puerperal, . . . . .	19	30	49	1	2	2	88	19	19	-	9	9	-	-	4	4
Senility, . . . . .	-	-	-	-	-	1	10	17	27	2	6	8	3	-	4	7
Senility and other causes, . . . . .	-	-	-	-	-	-	15	4	19	2	-	2	-	-	-	-
Specific, . . . . .	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Stroke, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis, . . . . .	16	3	19	13	1	14	108	24	132	-	-	-	8	-	2	10
Syphilis and other causes, . . . . .	-	-	-	-	-	-	7	1	8	-	-	-	-	-	-	-
Tetanus, . . . . .	-	-	-	-	-	-	7	2	2	-	-	-	-	-	-	-
Trauma, . . . . .	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-
Tuberculosis, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

\* Figures taken from their last printed reports.

TABLE XVI. — *Probable Causes of Mental Diseases, etc. — Concluded.*

ASSIGNED CAUSES.	BOSTON INSANE HOSPITAL.			MCLEAN HOSPITAL.			TOTALS.			PREVIOUS ATTACKS.			HEREDITARY PREDISPOSITION.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
II. — Mental : —															
Bereavement, . . . . .	3	3	6	1	1	2	4	4	8	1	1	2	1	1	2
Business trouble, . . . . .	3	3	6	1	1	2	4	4	8	1	1	2	1	1	2
Disappointment, . . . . .	2	2	4	1	1	2	3	3	6	1	1	2	1	1	2
Domestic and business trouble, . . . . .	2	2	4	1	1	2	3	3	6	1	1	2	1	1	2
Grief, worry, . . . . .	1	1	2	5	4	9	6	5	11	1	1	2	1	1	2
Overwork, worry, . . . . .	1	1	2	13	14	27	14	20	34	5	9	14	5	9	14
Overstudy or overwork, . . . . .	1	1	2	15	13	28	16	13	29	9	1	10	6	5	11
Religious excitement, . . . . .	1	1	2	1	1	2	2	1	3	1	1	2	1	1	2
Not insane, . . . . .	41	64	105	15	13	28	343	11	354	66	1	67	12	9	21
Unknown, . . . . .	121	174	295	80	70	150	1,295	328	1,623	134	194	328	131	191	322
Totals, . . . . .	121	174	295	80	70	150	1,295	1,280	2,575	134	194	328	131	191	322



## DURATION BEFORE ADMISSION, ETC.

TABLE XVIII. — *Duration before Admission in Cases recovered or died in the Last Official Year at Seven Hospitals, 1902-1903.*

PERIOD.	WORCESTER INSANE HOSPITAL.				TAUNTON INSANE HOSPITAL.				NORTHAMPTON INSANE HOSPITAL.				DANVERS INSANE HOSPITAL.			
	RECOVERED.		DIED.		RECOVERED.		DIED.		RECOVERED.		DIED.		RECOVERED.		DIED.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Congenital, . . . . .	-	-	-	-	-	3	1	1	-	-	-	-	-	6	3	1
Under 1 month, . . . . .	25	15	15	7	18	16	11	6	11	10	1	3	86	6	3	3
From 1 to 3 months, . . . . .	6	5	7	7	5	6	2	3	6	3	1	-	4	-	10	3
3 to 6 months, . . . . .	4	2	14	4	1	4	6	4	-	-	2	2	3	2	10	3
6 to 12 months, . . . . .	3	1	6	3	2	4	1	-	2	3	6	4	1	-	10	9
1 to 2 years, . . . . .	1	3	8	1	-	4	9	5	2	1	13	2	-	-	8	8
2 to 5 years, . . . . .	-	1	4	11	2	3	10	5	1	-	6	10	-	-	13	19
5 to 10 years, . . . . .	-	-	3	1	-	3	7	3	-	-	2	5	-	-	7	3
Over 10 years, . . . . .	-	-	1	4	1	-	1	11	-	-	5	2	-	-	6	7
Unknown, . . . . .	45	9	12	9	6	4	13	6	-	-	1	-	-	-	1	-
Totals of cases, . . . . .	84	36	70	47	35	44	63	44	22	17	37	28	44	8	71	56
Average period of known cases (in months),	1.56	3.4	7.72	41.40	8.4	8.2	32.6	75.2	3.04	4.58	46.5	44.71	4.51	1.50	43.45	55.51

## DURATION BEFORE ADMISSION, ETC.

TABLE XVIII. — *Duration before Admission in Cases recovered or died* — Concluded.

PERIOD.	WESTBOROUGH INSANE HOSPITAL.				BOSTON INSANE HOSPITAL.*				MCLEAN HOSPITAL.*				AGGREGATES.			
	RECOVERED.		DIED.		RECOVERED.		DIED.		RECOVERED.		DIED.		RECOVERED.		DIED.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Congenital, . . . . .	-	-	2	-	-	-	1	1	-	-	-	-	-	-	9	3
Under 1 month, . . . . .	10	18	10	7	11	12	4	4	9	15	1	1	120	92	45	31
From 1 to 3 months, . . . . .	10	9	3	10	2	2	2	6	2	5	3	-	35	30	28	29
3 to 6 months, . . . . .	2	4	8	3	1	5	3	1	2	4	4	-	13	21	47	17
6 to 12 months, . . . . .	2	-	5	2	-	3	3	1	1	1	-	-	11	12	31	19
1 to 2 years, . . . . .	-	1	4	3	1	1	15	4	2	-	4	1	6	10	61	24
2 to 5 years, . . . . .	-	2	8	6	-	-	10	4	1	-	4	-	4	6	55	55
5 to 10 years, . . . . .	-	-	2	3	-	-	2	3	-	-	-	-	-	3	23	18
Over 10 years, . . . . .	-	-	3	3	-	-	-	2	-	1	-	1	1	1	16	30
Unknown, . . . . .	5	8	4	3	3	-	7	3	-	-	-	-	59	21	38	21
Totals of cases, . . . . .	29	42	49	40	18	23	47	29	17	26	16	3	249	196	353	247
Average period of known cases (in months),	1.75	2.67	43.16	23.29	1.49	2.53	15.48	25.13	6.42	4.59	15.57	71.07	3.91	4.45	30.49	47.74

\* Figures taken from their last printed reports.

TABLE XIX. — Cases of Previous Years at Five State Hospitals, recovered or died in 1902-1903, or undischarged.

REMAINING OF THOSE ADMITTED IN THE OFFICIAL YEAR ENDING SEPT. 30.	WORCESTER INSANE HOSPITAL.				TAUNTON INSANE HOSPITAL.				NORTHAMPTON INSANE HOSPITAL.				DANVERS INSANE HOSPITAL.				WESTBOROUGH INSANE HOSPITAL.				TOTALS.				
	Whole Num. ber.	Recovered.	Died.	Remaining.	Whole Num. ber.	Recovered.	Died.	Remaining.	Whole Num. ber.	Recovered.	Died.	Remaining.	Whole Num. ber.	Recovered.	Died.	Remaining.	Whole Num. ber.	Recovered.	Died.	Remaining.	Whole Num. ber.	Recovered.	Died.	Remaining.	Official Year.
1863 and previous,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	9	.	1	8	1863
1864,	.	.	.	.	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	1	1864
1865,	.	1	1	.	1	.	.	1	1	.	.	.	.	.	.	.	.	.	.	.	3	.	1	2	1865
1866,	.	.	.	.	1	.	.	1	1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	1	1866
1867,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1867
1868,	.	1	.	1	.	.	.	1	2	.	.	.	.	.	.	.	.	.	.	.	3	.	1	2	1868
1869,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1869
1870,	.	1	.	1	1	.	.	1	2	.	.	.	.	.	.	.	.	.	.	.	4	.	.	3	1870
1871,	.	3	.	3	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	5	.	.	5	1871
1872,	.	1	.	1	.	.	.	1	3	.	.	2	.	.	.	.	.	.	.	.	4	.	.	3	1872
1873,	.	1	.	1	3	.	.	3	3	.	.	2	.	.	.	.	.	.	.	.	7	.	1	6	1873
1874,	.	3	1	2	.	.	.	.	1	.	.	1	.	.	.	.	.	.	.	.	4	.	.	3	1874
1875,	.	.	.	.	3	.	.	3	7	.	.	7	.	.	.	.	.	.	.	.	10	.	.	10	1875
1876,	.	1	.	1	3	.	1	2	4	.	.	4	.	.	.	.	.	.	.	.	8	.	1	7	1876
1877,	.	7	1	.	8	.	.	6	8	.	.	8	.	.	.	.	.	.	.	.	23	.	1	19	1877
1878,	.	6	.	6	3	.	.	2	2	1	1	1	7	.	.	.	.	.	.	.	18	.	1	16	1878
1879,	.	3	.	3	8	.	.	8	2	.	.	2	12	.	.	.	.	.	.	.	25	.	.	25	1879
1880,	.	3	.	3	3	.	.	3	4	.	.	3	.	.	.	.	.	.	.	.	18	.	1	17	1880
1881,	.	7	.	7	9	.	1	7	1	.	.	1	9	.	.	.	.	.	.	.	26	.	1	24	1881
1882,	.	6	.	6	4	.	.	4	7	.	.	7	4	.	.	.	.	.	.	.	21	.	.	21	1882
1883,	.	7	1	5	9	1	1	7	4	.	.	4	4	.	.	.	.	.	.	.	24	1	2	20	1883
1884,	.	9	.	9	7	.	1	6	6	.	.	6	8	.	.	.	.	.	.	.	30	.	1	29	1884

## CASES OF PREVIOUS YEARS, ETC.

REMAINING OF THOSE ADMITTED IN THE OFFICIAL YEAR ENDING SEPT. 30.	WORCESTER INSANE HOSPITAL.				TAUNTON INSANE HOSPITAL.				NORTHAMPTON INSANE HOSPITAL.				DANVERS INSANE HOSPITAL.				WESTBOROUGH INSANE HOSPITAL.				TOTALS.			
	Whole Num. ber.	Recovered.	Died.	Remaining.	Whole Num. ber.	Recovered.	Died.	Remaining.	Whole Num. ber.	Recovered.	Died.	Remaining.	Whole Num. ber.	Recovered.	Died.	Remaining.	Whole Num. ber.	Recovered.	Died.	Remaining.	Whole Num. ber.	Recovered.	Died.	Remaining.
1885, . . .	10	-	1	7	2	-	-	1	9	-	-	9	14	-	1	11	-	-	-	35	-	2	28	1885
1886, . . .	10	-	-	8	9	-	-	8	10	-	-	9	13	-	-	12	-	-	-	42	-	-	37	1886
1887, . . .	5	-	-	4	16	-	-	15	11	-	-	11	12	-	-	12	-	-	1	84	-	1	79	1887
1888, . . .	9	-	-	9	11	-	-	9	9	-	-	8	18	-	-	16	-	-	-	59	-	-	53	1888
1889, . . .	10	-	-	8	-	-	-	-	11	-	-	11	17	-	-	15	-	-	-	51	-	-	47	1889
1890, . . .	4	-	-	4	16	-	2	14	14	-	-	13	18	-	1	17	-	-	16	68	-	-	64	1890
1891, . . .	23	-	-	18	13	-	-	13	8	-	1	7	25	-	-	23	-	-	1	81	-	2	71	1891
1892, . . .	22	-	-	18	23	-	-	23	10	-	-	10	20	-	1	19	-	-	1	94	-	-	88	1892
1893, . . .	17	-	-	17	14	1	-	13	18	-	-	18	30	-	-	28	-	-	2	97	1	2	90	1893
1894, . . .	39	-	-	33	33	-	1	28	14	-	-	14	23	-	-	19	-	-	2	144	-	-	126	1894
1895, . . .	37	-	1	33	30	-	3	24	23	-	-	20	39	-	3	33	-	-	18	147	-	7	128	1895
1896, . . .	43	-	3	38	24	-	2	17	31	-	2	28	80	-	1	78	-	-	1	213	-	9	195	1896
1897, . . .	56	-	-	48	50	-	3	40	31	-	1	28	65	-	6	46	-	-	3	241	-	14	193	1897
1898, . . .	44	-	2	40	65	-	4	57	41	-	1	35	73	-	5	57	-	-	4	261	-	16	218	1898
1899, . . .	81	1	2	61	66	-	7	51	49	-	3	43	97	-	11	78	-	-	3	334	1	26	267	1899
1900, . . .	126	1	12	85	87	-	7	70	66	-	8	53	108	-	9	88	-	-	6	459	2	42	355	1900
1901, . . .	164	2	11	120	154	4	18	96	87	1	8	74	165	-	14	122	-	-	10	682	13	61	490	1901
1902, . . .	356	46	40	181	309	23	14	166	155	19	20	73	284	25	28	162	-	-	22	1,350	140	124	725	1902
1903, . . .	624	87	40	398	465	50	42	270	258	19	15	189	432	28	47	272	-	-	33	2,136	221	177	1,334	1903
Totals, . . .	1,740	137	117	1,184	1,453	79	107	972	921	39	65	692	1,585	53	128	1,160	-	-	71	6,822	379	506	4,810	-

TABLE XIX. — Cases of Previous Years at Five State Hospitals, recovered or died in 1902-1903, or undischarged — Concluded.

## AVERAGE DURATION OF CASES, ETC.

TABLE XX. — *Average Duration (in Months) of Cases recovered or died at Seven Hospitals in Twenty-four Years.*

	AVERAGE IN 1902-1903.			AVERAGE OF PREVIOUS TWENTY-THREE YEARS.			TWENTY-FOUR YEARS' AVERAGES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Whole number of recoveries, . . . . .	249	196	445	4,451	4,104	8,555	4,700	4,300	9,000
of deaths, . . . . .	353	217	600	5,019	4,000	9,019	5,372	4,247	9,619
Duration before admission, — cases recovered, . . . . .	3.91	4.45	4.17	6.13	9.18	7.60	6.01	8.96	7.36
cases died, . . . . .	30.49	47.74	37.69	40.54	37.86	39.39	39.88	38.43	39.28
Hospital residence, — cases recovered, . . . . .	6.88	7.14	6.99	6.29	9.38	8.25	6.32	9.28	8.19
cases died, . . . . .	30.96	30.94	30.95	29.49	31.79	30.63	29.59	31.74	30.65
Whole duration, — cases recovered, . . . . .	10.31	11.06	10.64	11.53	17.21	14.29	11.46	16.93	14.10
cases died, . . . . .	65.01	73.80	68.63	63.79	74.05	68.65	63.87	74.04	68.65

## RESULTS OF DIFFERENT ADMISSIONS, ETC.

TABLE XXI. — *Results of Different Admissions at Seven Hospitals.*

	OFFICIAL YEAR, 1902-1903.			TWENTY-FOUR YEARS, 1880-1903.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Whole number discharged, . . . . .	1,212	1,218	2,430	21,880	21,155	43,035
On first admission, . . . . .	1,006	953	1,959	18,036	16,990	35,026
viz.: recovered, . . . . .	213	162	375	3,861	3,403	7,264
died, . . . . .	307	213	520	4,618	3,718	8,336
otherwise, . . . . .	486	578	1,064	9,557	9,869	19,426
On second admission, . . . . .	139	171	310	2,654	2,741	5,395
viz.: recovered, . . . . .	25	28	53	512	542	1,054
died, . . . . .	34	20	54	525	437	962
otherwise, . . . . .	80	123	203	1,617	1,762	3,379
On third admission, . . . . .	35	42	77	624	758	1,382
viz.: recovered, . . . . .	6	8	14	133	171	304
died, . . . . .	4	7	11	92	91	183
otherwise, . . . . .	25	27	52	399	496	895
On fourth or subsequent admission, . . . . .	32	52	84	566	666	1,232
viz.: recovered, . . . . .	12	9	21	189	201	390
died, . . . . .	8	8	16	60	68	128
otherwise, . . . . .	12	35	47	317	397	714
Whole number of persons discharged, . . . . .	1,205	1,213	2,418	-	-	-

## PARENTAGE — CIVIL CONDITION.

TABLE XXII. — *Parentage of 43,764 Cases admitted within the Last Twenty-four Years at Seven Hospitals.*

PLACES OF PARENT NATIVITY.	MALES (22,148).		FEMALES (21,616).		TOTALS (43,764).	
	Fathers.	Mothers.	Fathers.	Mothers.	Fathers.	Mothers.
Massachusetts, . . . .	4,768	4,827	3,903	3,933	8,671	8,760
Other States, . . . .	3,396	3,350	2,801	2,931	6,197	6,281
Total United States, . .	8,164	8,177	6,704	6,864	14,868	15,041
Total foreign, . . . .	11,727	11,690	12,167	11,994	23,894	23,684
Canada, . . . . .	1,399	1,458	1,399	1,499	2,798	2,957
Great Britain, . . . .	1,489	1,410	1,467	1,304	2,956	2,714
Ireland, . . . . .	6,769	6,830	7,601	7,636	14,370	14,466
Other countries, . . . .	2,070	1,992	1,700	1,555	3,770	3,547
Unknown, . . . . .	2,257	2,281	2,745	2,758	5,002	5,039
Totals, . . . . .	22,148	22,148	21,616	21,616	43,764	43,764

TABLE XXIII. — *Civil Condition of 45,524 Cases admitted at Seven Hospitals within Twenty-four Years past.*

CIVIL CONDITION.	YEAR OF 1902-1903.			TOTAL FOR TWENTY-FOUR YEARS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Unmarried, . . . . .	583	500	1,083	10,761	8,751	19,512
Married, . . . . .	564	530	1,094	10,127	9,580	19,707
Widowed, . . . . .	123	241	364	1,821	3,906	5,727
Divorced, . . . . .	6	8	14	71	105	176
Unknown, . . . . .	25	7	32	265	137	402
Totals, . . . . .	1,301	1,286	2,587	23,045	22,479	45,524



## OCCUPATIONS OF PERSONS — ADMISSIONS, ETC.

TABLE XXIV. — *Occupations of Persons admitted at Seven Hospitals, 1880-1903.*

	OFFICIAL YEAR, 1902-1903.			TWENTY-FOUR YEARS, 1880-1903.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Educated or professional, . . . . .	147	73	220	1,835	921	2,756
Domestic, . . . . .	24	241	265	274	3,963	4,227
Farmers, . . . . .	63	20	83	1,840	442	2,282
Housekeepers, . . . . .	-	461	461	-	7,200	7,200
Laborers, . . . . .	318	40	358	4,655	833	6,488
Mechanical, . . . . .	201	44	245	6,690	2,022	8,712
Operatives, . . . . .	123	86	209	1,470	1,511	2,981
Traders, . . . . .	142	30	172	2,476	654	3,129
Miscellaneous, . . . . .	112	23	135	1,276	696	1,872
No occupation or unknown, . . . . .	167	258	425	2,481	4,287	6,768
Totals, . . . . .	1,297	1,276	2,673	22,996	22,419	45,415

TABLE XXV. — *Admissions, Readmissions and Recoveries.*

	Whole Number of Admissions.	First Admissions to Hospital re- porting.	Readmissions to Hospital re- porting.	First Admissions to Any Insane Hospital.	True Readmis- sions.	Reported Re- lapses after Recoveries.	Reported Recov- eries.
1881-1902.							
Worcester, . . . . .	9,988	8,380	1,608	7,253	2,735	632	2,060
Taunton, . . . . .	7,505	6,190	1,315	6,806	1,899	494	1,414
Northampton, . . . . .	3,844	3,016	829	2,786	1,058	296	769
Danvers, . . . . .	9,479	7,934	1,545	6,937	2,542	467	1,526
Westborough, . . . . .	5,882	3,823	1,759	3,520	1,862	259	1,181
Totals for twenty-two years, . . . . .	36,198	29,142	7,056	26,102	10,096	2,148	6,940
1902-1903.							
Worcester, . . . . .	624	515	109	473	151	41	137
Taunton, . . . . .	465	376	89	333	132	30	79
Northampton, . . . . .	258	206	62	197	61	16	39
Danvers, . . . . .	432	355	77	321	111	20	53
Westborough, . . . . .	357	308	49	270	87	24	71
Totals, 1902-1903, . . . . .	2,136	1,760	376	1,594	542	131	379
Totals for twenty-three years, . . . . .	38,334	30,902	7,432	27,696	10,638	2,279	7,319

## MEMBERS OF THE STATE BOARD OF INSANITY.

## MEMBERS OF THE STATE BOARD OF INSANITY.

Date of Original Appointment.	Name.	Residence.	RETIRED.		Term expires.
			Date.	Reason.	
September, 1898,	George F. Jelly, M.D.,	Boston, . . .	-	-	September, 1908.
September, 1898,	<i>Herbert B. Howard, M.D.,</i>	Boston, . . .	January, 1902,	Resigned,	-
September, 1898,	Charles R. Codman, .	Barnstable, .	-	-	September, 1906.
September, 1898,	<i>Edward S. Bradford,</i>	Springfield, . .	February, 1900,	Resigned,	-
September, 1898,	<i>Francis B. Gardner, .</i>	Brookton, . . .	February, 1902,	Resigned,	-
February, 1900, .	Albert L. Harwood, .	Newton Centre, .	-	-	September, 1905.
January, 1902, .	James B. Ayer, M.D.,	Boston, . . .	-	-	September, 1907.
December, 1902, .	Seward W. Jones, . .	Newton Highlands,	-	-	September, 1904.

## DIRECTORY OF INSTITUTIONS.

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### WORCESTER INSANE HOSPITAL (opened 1833) : —

Trustees: Rockwood Hoar, Worcester, chairman; Thomas Russell, Boston, secretary; Lyman A. Ely, Worcester; Frances M. Lincoln, Worcester; Philip W. Moen, Worcester; Sarah E. Whitin, Whitinsville; Samuel B. Woodward, M.D., Worcester.

Regular meeting, first Tuesday of each month.

Superintendent, Hosca M. Quinby, M.D.

Assistant superintendent, Alfred I. Noble, M.D.

Assistant physicians, Henry S. Chaffee, M.D., Chas. T. Fisher, M.D., Cornelia B. J. Schorer, M.D., Isador H. Coriat, M.D.

Assistant physician and pathologist, Theodore A. Hoch, M.D.

Visiting days, Wednesdays and Fridays.

### TAUNTON INSANE HOSPITAL (opened 1854) : —

Trustees: Henry R. Stedman, M.D., Brookline, chairman; Elizabeth C. M. Gifford, New Bedford, secretary; Susan E. Learoyd, Wakefield; Nathaniel B. Borden, Fall River; Loyed E. Chamberlain, Brockton; James P. Francis, New Bedford; William C. Lovering, Taunton.

Regular meeting, first Thursday of each month.

Superintendent, John P. Brown, M.D.

Assistant physicians, Arthur V. Goss, M.D., Benjamin W. Baker, M.D.; Roy V. Baketel, M.D., Tertia C. Wilton, M.D.

Assistant physician and pathologist, Harry W. Miller, M.D.

Visiting days, Wednesdays and Saturdays and all legal holidays.

### NORTHAMPTON INSANE ASYLUM (opened 1858) : —

Trustees: Alvan Barrus, Goshen, chairman; Henry P. Field, Northampton, secretary; F. W. Chapin, M.D., Springfield; William D. MacInnes, Pittsfield; Chas. S. Shattuck, Hatfield; Sarah T. Woodworth, Chicopee; Caroline A. Yale, Northampton.

Regular meeting, first Thursday of each month.

Superintendent, John A. Houston, M.D.

Assistant physicians, Harriet M. Wiley, M.D., Charles H. Dean, M.D., Arthur B. Moulton, M.D.

Visiting days, Tuesdays and Fridays.

**DANVERS INSANE HOSPITAL (opened 1878) :—**

Post-office and railroad station, Hathorne (Boston & Maine).

Trustees: Samuel W. Hopkinson, Haverhill, chairman; Solon Bancroft, Reading, secretary; Horace H. Atherton, Saugus; Mrs. Ada T. Brewster, Andover; Miss Mary Ward Nichols, Danvers; Orville F. Rogers, M.D., Boston; William B. Sullivan, Danvers.

Regular meeting, first Friday after first Monday of each month.

Superintendent, Chas. W. Page, M.D.

Senior assistant physician, H. W. Mitchell, M.D.

Assistant physicians, Henry A. Cotton, M.D., Mary Paulsell Mitchell, M.D., Henry M. Swift, M.D., Earl E. Besse, M.D., Louis Hoag, M.D.

Assistant physician and pathologist, Albert M. Barrett, M.D.

Visiting days, Mondays and Wednesdays.

**WESTBOROUGH INSANE HOSPITAL (opened 1886) :—**

Railroad station, Talbot (New York, New Haven & Hartford).

Trustees: John M. Merriam, South Framingham, chairman; Eliza C. Durfee, Fall River, secretary; Benjamin W. Childs, Worcester; John L. Coffin, M.D., Northborough; Edward Hamlin, Boston; Lewis R. Speare, Newton; Sarah B. Williams, Taunton.

Regular meeting, first or second Thursday of each month.

Superintendent, George S. Adams, M.D.

First assistant physician, Henry I. Klopp, M.D.

Assistant physicians, Ida J. Brooks, M.D., E. Ray Buhrman, M.D., Clifford J. Huyek, M.D., William L. Soule, M.D.

Pathologist, S. C. Fuller, M.D.

Visiting days, every day except Saturdays, Sundays and holidays.

**WORCESTER INSANE ASYLUM (opened 1877) :—**

Trustees: trustees of Worcester Insane Hospital.

Superintendent, Ernest V. Scribner, M.D.

Assistant physicians, P. Challis Bartlett, M.D., H. Louis Stich, M.D.

Pathologist, Frederick H. Baker, M.D.

Visiting days, every day except Sunday.

**MEDFIELD INSANE ASYLUM (opened 1896) :—**

Post-office, Harding; railroad station, Medfield Junction (New York, New Haven & Hartford).

Trustees: John G. Park, M.D., Groton, chairman; Elizabeth Thurber, Plymouth, secretary; Benjamin S. Atwood, Whitman; William O. Blaney, Boston; Ira G. Hersey, Hingham; Sarah J. Rand, Newton Centre.

Regular meeting, second Friday of each month.

Superintendent, Edward French, M.D.

Assistant physicians, Lewis M. Walker, M.D., Ralph S. Wilder, M.D., Helen T. Cleaves, M.D.

Visiting days, Tuesdays and Fridays.

## STATE COLONY FOR THE INSANE, GARDNER (opened 1902):—

Trustees: Herbert B. Howard, M.D., Boston, chairman; Mrs. Amie H. Coes, Worcester, secretary; William H. Baker, M.D., Lynn; Chas. V. Dasey, Boston; George N. Harwood, Barre; Mrs. Alice Miller Spring, Fitchburg; Edmund A. Whitman, Cambridge.

Regular meeting, last Thursday of each month.

Superintendent, Joseph B. Howland, M.D.

Visiting days, every day except Sundays and holidays, from 9 A.M. to 4 P.M.

## STATE ASYLUM FOR INSANE CRIMINALS, STATE FARM (opened 1887, 1895):—

Post-office, State Farm; railroad station, Titicut (New York, New Haven & Hartford).

Trustees: J. White Belcher, Randolph, chairman; Rev. Payson W. Lyman, Fall River, secretary; Mrs. Sarah D. Fiske, Malden; Leonard Huntress, M.D., Lowell; Mrs. Anna F. Prescott, Boston; Joseph A. Smart, Andover; John B. Tivnan, Salem.

Regular meeting, usually during last week of month, alternately at State Farm and State Hospital.

Medical director, Chas. A. Drew, M.D.

Assistant physician, Alfred Elliott, M.D.

Visiting days, every day except Sundays and holidays.

## ASYLUM WARDS, STATE HOSPITAL (opened 1866):—

Post-office, Tewksbury; railroad stations, Tewksbury (Western Division, Boston & Maine), Tewksbury Junction and Salem Junction (Southern Division, Boston & Maine).

Trustees: trustees of State Farm.

Superintendent, John H. Nichols, M.D.

Assistant superintendent and physician, Arthur K. Drake, M.D.

First assistant physician, Ernest B. Emerson, M.D.

Assistant physicians, George A. Pierce, M.D., Hannah Lowell, M.D., Howard F. Holmes, M.D.

Visiting days, every day except Saturdays and holidays, from 10 A.M. to 4 P.M.

## MASSACHUSETTS HOSPITAL FOR DIPSO MANIACS AND INEBRIATES, FOXBOROUGH (opened 1893):—

Trustees: Henry E. Cobb, Newton, chairman; Anna Phillips Williams, Boston, secretary; Leroy S. Brown, Cambridge, Benjamin H. Hartwell, M.D., Ayer; John T. G. Nichols, M.D., Cambridge; Elwyn G. Preston, Woburn; Samuel G. Webber, M.D., West Newton.

Regular meeting, first Wednesday of each month.

Superintendent, Chas. E. Woodbury, M.D.

Assistant physician, ———

Visiting days, Tuesdays and Fridays.

**MASSACHUSETTS HOSPITAL FOR EPILEPTICS (opened 1898) : —**

Post-office and railroad station, Palmer (Boston & Albany).

Trustees : William N. Bullard, M.D., Boston, chairman ; Charles A. Clough, Boston, secretary ; Winford N. Caldwell, Springfield ; Adelaide A. Calkins, Springfield ; Henry P. Jaques, M.D., Lenox ; W. W. Scofield, M.D., Dalton ; Mabel W. Stedman, Brookline.

Regular meeting, first Thursday of each month.

Superintendent, Everett Flood, M.D.

Assistant physicians, Arthur O. Morton, M.D., Morgan B. Hodskins, M.D., Ransom A. Greene, M.D.

Visiting days, Tuesdays and Fridays.

**MASSACHUSETTS SCHOOL FOR THE FEEBLE-MINDED (opened 1851) : —**

Post-office and railroad station, Waverley (Boston & Maine).

Trustees : Samuel Hoar, Concord, president ; J. S. Damrell, Boston, vice-president ; William W. Swau, Brookline, secretary ; Richard C. Humphreys, Boston, treasurer ; Chas. Francis Adams, 2d, Concord ; Francis J. Barnes, M.D., Cambridge ; Francis Bartlett, Boston ; Elizabeth E. Coolidge, Cambridge ; Thomas W. Davis, Belmont ; Frederick P. Fish, Brookline ; Chas. E. Ware, Fitchburg ; F. G. Wheatley, M.D., North Abington ; Chas. F. Wyman, Cambridge.

Quarterly meeting, third Thursday of October, January, April and July.

Superintendent, Walter E. Fernald, M.D.

Assistant physicians, L. G. Wallace, M.D., Joseph H. Ladd, M.D.

Visiting days, Wednesday, Thursday and Saturday afternoons.

**HOSPITAL COTTAGES FOR CHILDREN, BALDWINVILLE (opened 1882) : —**

President, Merrick Bemis, M.D., Worcester ; clerk, Francis Leland, Otter River.

Trustees appointed by the Governor : Merrick Bemis, M.D., Worcester ; Chas. H. Allen, Boston ; David H. Coolidge, Boston ; Mrs. William W. Doherty, Boston ; Arthur H. Lowe, Fitchburg.

Trustees appointed by the corporation : John M. Bemis, M.D., Worcester ; Mrs. J. B. Case, Boston ; John D. Carson, Dalton ; Mrs. Francis H. Dewey, Worcester ; Homer Gage, M.D., Worcester ; Mrs. Edward L. Greene, Lancaster ; Francis Leland, Otter River ; Rev. J. S. Lemon, Gardner ; H. S. Morley, Baldwinville ; Mrs. Winslow S. Lincoln, Worcester ; Mrs. Geo. T. Plunkett, Hinsdale ; F. W. Russell, M.D., Winchendon ; Gilman Waite, Baldwinville ; Robert N. Wallis, Fitchburg ; Mrs. Sarah E. Whitin, Whitinsville.

Quarterly meeting, second Wednesday of October, January, April and July.

Superintendent, Hartstein W. Page, M.D.

Visiting days, every day except Sundays.

**BOSTON INSANE HOSPITAL (opened 1839) : —**

Women's department : post-office, New Dorchester ; railroad station, Forest Hills. Men's department : post-office, Mattapan ; railroad station, Forest Hills (New York, New Haven & Hartford).



BOSTON INSANE HOSPITAL — *Concluded.*

Trustees: George H. Sargent, Boston, chairman; Catharine L. Marion, Boston, secretary; Frederick E. Atteaux, Brookline; C. James Connelly, Boston; Emily P. Howard, M.D., Boston; Michael J. Jordan, Boston; George A. Sanderson, Boston.

Regular meeting, at 64 Pemberton Square, Boston, second Wednesday of each month.

Superintendent, Edward B. Lane, M.D.

Associate superintendent, William Noyes, M.D.

Assistant physicians, Fred B. Colby, M.D., S. W. Crittenden, M.D., Augustus T. Marshall, M.D.

Visiting day, Wednesday, 2 to 4 P.M.

## PRIVATE INSTITUTIONS.

## McLEAN HOSPITAL (opened 1818):—

Department of Massachusetts General Hospital Corporation; post-office and railroad station, Waverley (Boston & Maine).

President, Charles H. Dalton, Boston; treasurer, Franklin Haven, Boston; secretary, C. H. W. Foster, Needham.

Trustees appointed by the Governor: William S. Bigelow, M.D., Boston; Henry S. Howe, Boston; David P. Kimball, Boston; Charles P. Greenough, Boston.

Trustees appointed by the corporation: Henry P. Walcott, M.D., chairman, Boston; Francis H. Appleton, Boston; Francis Blake, Auburndale; C. H. W. Foster, Needham; Nathaniel Thayer, Boston; George Wigglesworth, Boston; Moses Williams, Boston; Francis L. Higginson, Boston.

Regular meeting, usually at Merchants' National Bank, of Boston, on Friday, at intervals of two weeks, beginning sixteen days after first Wednesday in February.

Superintendent, Edward Cowles, M.D.

First assistant physician, George T. Tuttle, M.D.

Second assistant physician, Guy G. Fernald, M.D.

Pathologist and assistant physician, August Hoch, M.D.

Assistant in pathological chemistry, Otto Folin, Ph.D.

Junior assistant physicians, Fred H. Packard, M.D., Albert E. Steele, M.D., Wm. F. Roberts, M.D., Lucian A. Hill, A.B.

Visiting days, Wednesdays and Saturdays.

BOURNEWOOD, Henry R. Stedman, M.D., South Street, Brookline. Railroad station, Forest Hills (New York, New Haven & Hartford). Carriage.

THE HIGHLANDS, Frederick W. Russell, M.D., Winchendon (Fitchburg). Carriage.

CHANNING SANITARIUM, Walter Channing, M.D., Brookline. Railroad station, Reservoir (Boston & Albany). Carriage.



PRIVATE ASYLUM, Eben C. Norton, M.D. Post-office, Norwood; railroad station, Norwood Central (New York, New Haven & Hartford).

RIVERVIEW SANITARIUM, W. F. Robie, M.D., Baldwinville.

HERBERT HALL, Merrick Bemis, M.D., Salisbury Street, Worcester. Carriage.

NEWTON NERVINE, N. Emmons Paine, M.D., West Newton. Carriage.

WELLESLEY NERVINE, Edward H. Wiswall, M.D., Washington Street, Wellesley.

CUTTER RETREAT, William F. Heald, M.D., Pepperell. Carriage.

LOCUST GROVE ASYLUM, Alice R. Cooke; medical director, George E. White, M.D., Sandwich. Carriage.

DR. RING'S SANATORIUM, Allan Mott Ring, M.D., Arlington Heights Carriage.

FRAMINGHAM NERVINE, Ellen L. Keith, M.D., Winter Street, Framingham.

PRIVATE HOSPITAL, Simeon O. Pilling, M.D., Newburyport.

THE BLUE HILLS SANITARIUM, J. Frank Perry, M.D., Milton.

PRIVATE HOSPITAL, J. F. Edgerly, M.D., 1 Mt. Vernon Terrace, Newtonville.

PRIVATE INSTITUTION FOR FEEBLE-MINDED YOUTH, George A. Brown, M.D., Catherine W. Brown, superintendents, Barre (Massachusetts Central Railroad).





**Date Issued**

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